KV-M2130E/M2131E

RM-670

SONY

SERVICE MANUAL

Spanish Model

KV-M2130E

Chassis No. SCC-B70J-A

KV-M2131E

Chassis No. SCC-B70K-A

SUPPLEMENT-1

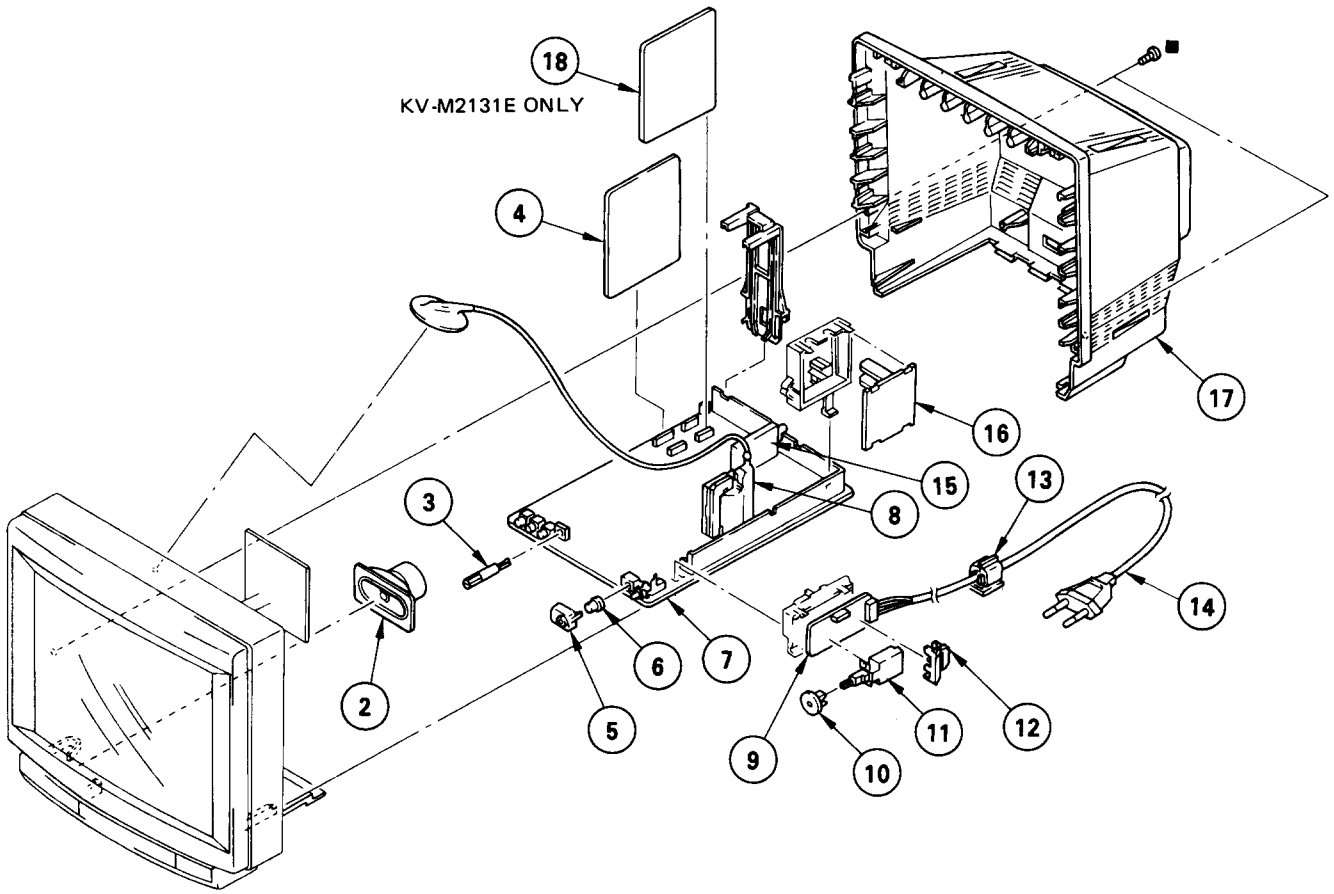
File this supplement with the service manual.

- Since there is an additional part on the EXPLODED VIEWS please replace.

MICROFILM

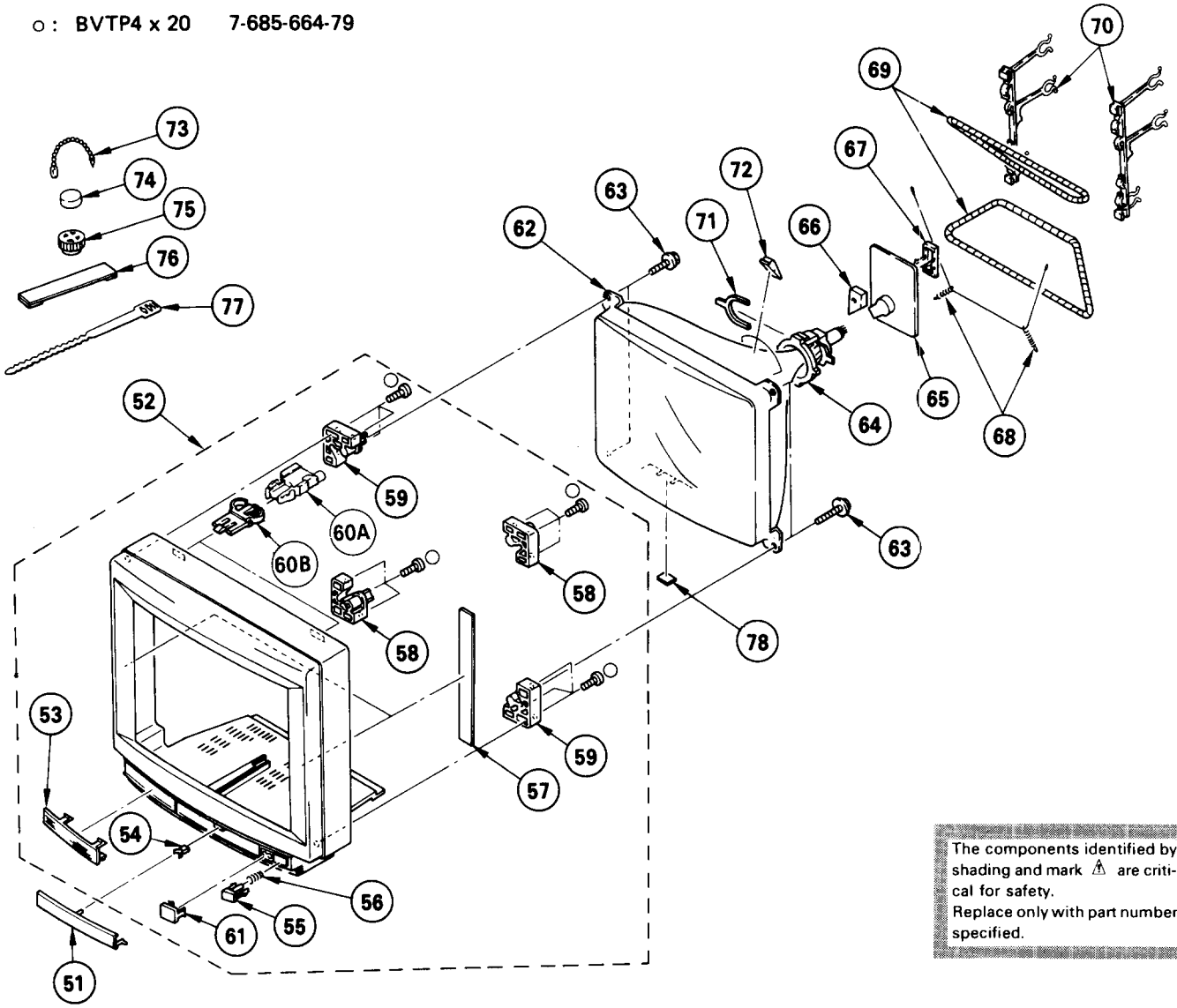
6-1. REAR COVER

■ : BVTP4 x 16 7-685-663-79



6-2. PICTURE TUBE

○ : BVTP4 x 20 7-685-664-79



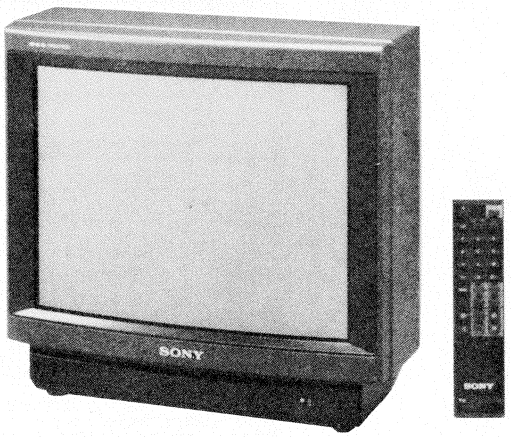
The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

KV-M2130D/M2131D
RM-657

SERVICE MANUAL

AEP Model

KV-M2130D
Chassis No. SCC-B66F-A
KV-M2131D
Chassis No. SCC-B66J-A



BE-1 CHASSIS

Note: The service manual for RM-657 has been issued separately.

MODELS OF THE SAME SERIES	
KV-M2130D/M2131D	KV-M14D/P14D
KV-M19D/M19TD	
KV-M16D	

SPECIFICATIONS

Television system	CCIR B, G and H
Color system	PAL/SECAM
Channel coverage	VHF E2−S20 UHF E21−E69
Picture tube	Trinitron Approx. 54.5cm (21 inches) Approx. 51cm (picture measured diagonally) 100 degree deflection
Input	21−pin connector, AV Connector
Outputs	Earphones jack : minijack 21−pin connector : CENELEC Standard
Sound output	5W (music)
Power consumption	99Wh
Dimensions	Approx. 518×480×478mm (w/h/d)
Weight	Approx. 23kg
Supplied accessories	RM−657 Remote Commander (1) IEC designation R6 batteries (2)

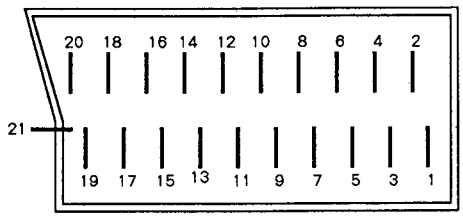
Design and specifications are subject to change without notice.

MICROFILM

TRINITRON® COLOR TV

SONY®

21-pin Euro Connector Configuration



PIN	SIGNAL	SPECIFICATION
1	Audio output	0.5Vrms/1kilohm or less
2	Audio input	0.5Vrms/10kilohms or more
3	Audio output	0.5Vrms/1kilohm or less
4	Earth (audio)	
5	Earth (B-input)	
6	Audio input	0.5Vrms/10kilohms or more
7	B-input	0.7Vp-p/75ohms
8	Function switching	9.5V to 12V
9	Earth (G-input)	
10		
11	G-input	0.7Vp-p/75ohms
12		
13	Earth (R-input)	
14	Earth (blanking)	
15	R-input	0.7Vp-p/75ohms
16	Fast blanking	1V to 3V/75ohms
17	Earth (video)	
18	Earth (fast blanking)	
19	Video output	1Vp-p/75ohms
20	Video input	1Vp-p/75ohms
21	Screening plug	

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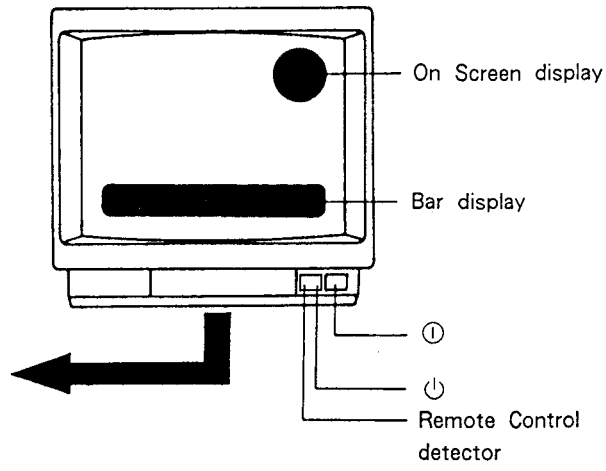
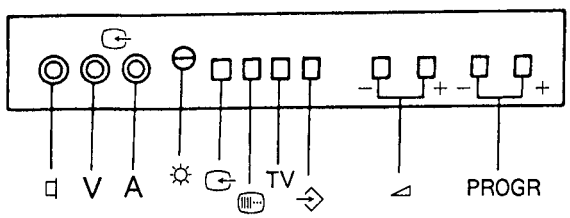
SECTION 1
GENERAL

Note) The layout, etc., will be slightly different from the operating instructions packed with the units.

1 – 1. FUNCTION OF CONTROLS





On the set

On-screen display
Indicates program numbers and input mode ; .
Press the button to make the display appear on the screen, and again to make it disappear. See also "On the Remote Commander" below.

Bar display
Indicates the level of the user controls when they are adjusted ; volume, contrast or color.

power switch
To cut off the main electricity supply, press this switch. Ensure correct operation by pressing the switch fully.

Remote control detector
Point the Remote Commander towards this detector.

standby indicator
Lights up brightly when the set is in standby mode.

Inside the panel

earphone jack (minijack mono)

preset button

analogue select buttons
Press repeatedly until the on-screen display of the required adjustment appears (volume, contrast or color). Adjust by using the + or – buttons.

input button
Press this button to view the input picture coming in through the 21-pin connector or the connectors on the front panel. "" appears on the screen. Press again or PROGR + / – to return to the TV mode.

Extra equipment can be connected to the TV using both the 21-pin connector and the input connectors, but only one piece of equipment besides the TV should be turned on at one time.

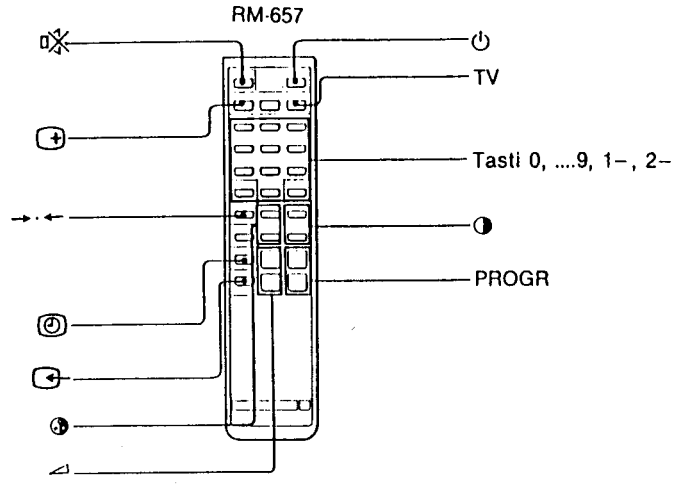
brightness control
Turn clockwise for more brightness or anticlockwise for less.

Volume adjustment buttons +/–
Use these buttons adjust the volume to the desidered level.

PROGR +/– buttons
Use to scan the available channels. To turn on the TV from standby mode without the remote commander, press any of these buttons.

Video/Audio input connectors (phono)
Connect to a VTR, micro-computer, etc.
- V (Yellow) video input
- A (Black) audio input (mono)

1 – 2. ON THE REMOTE COMMANDER



To operate the Commander, point it toward the remote control detector.

mute button
Use to mute the sound. Press ◿ + or to restore the sound.

0, ·····9, 1–, 2–buttons
To select :
program 15, press 1– and 5,
program 25, press 2– and 5.

→ • ← Reset button
Press to return color and contrast to factory-set levels.

standby button
Press to select standby mode. Use this facility to turn off the set for short periods of time.
To return to TV mode, press TV or the program number on the Remote Commander ; there will be a slight delay before the picture is restored. If the main power is turned off when in standby mode, the indicator will take 2 to 6 seconds to go off.

On-screen display button
Indicate the program number and the input mode. Press this button to make the display appear on the screen, and press the button again to make it disappear.

TV button
Press to change to the TV mode from standby, input modes.

PROGR+/– buttons
Use to scan the available channels.

+/– volume buttons

color buttons

contrast buttons

input button
Press to view the input picture from the connector or connectors. " " appears on the screen. Press PROGR +/– or a program number key to return to the TV mode.

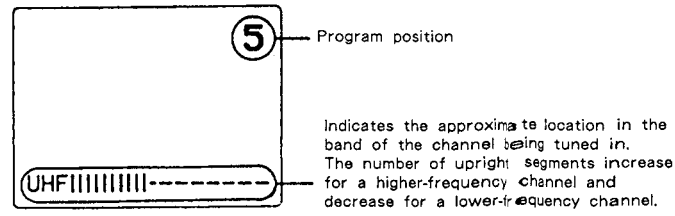
1 – 3. TO PRESET CHANNELS

Use the buttons inside the panel. To open the panel, push and pull the center.

Manual Programing

To Tune in a Channel in Any Desired Program Position

1 Press (preset) to select the presetting mode.
2 Select the desired program position by using the PROGR + or – button.
3 Press ◿ + or – repeatedly until the TV program of the desired channel appears.
Repeat steps 2 and 3 for all desired channels.
4 Press again to return to the TV mode.


5
Program position
UHF
Indicates the approximate location in the band of the channel being tuned in. The number of upright segments increase for a higher-frequency channel and decrease for a lower-frequency channel.

1 – 4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander. RM–657 has teletext buttons indicated in green teletext operation are indicated in green.

Operation

1 Select the TV channel for the desired teletext service.
2 Press ⊜/⊜ (TEXT / MIX) to display the teletext service.
Once ⊜/⊜ has been pressed, the TV channel cannot be changed.
3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the Remote Commander.

The teletext service can be displayed directly from the standby mode, by pressing ⊜/⊜.

To receive the teletext service of a different TV channel.
1 Press TV to return to the TV mode.
2 Select the desired TV channel.
3 Press ⊜/⊜.

To display the index page.
Press ⊜ (INDEX). If the necessary signal is not being broadcast, page 100 is displayed.

To access the next or preceding page
Press (PAGE+) or (PAGE–).
These buttons are indicated in white on the Commander.

To superimpose the teletext display on the TV picture.
Press ⊜/⊜ twice from TV mode.
Press ⊜/⊜ again to return to the TEXT display.

To suppress the teletext display so that the TV picture is displayed.
Press ⊜ (TEXT CL). This button can be operated from both the TEXT and MIX displays.

To prevent a teletext page (subpage) from being updated /changed.
Press ⊜ HOLD. The HOLD symbol "⊜" appears at the top left of the screen.

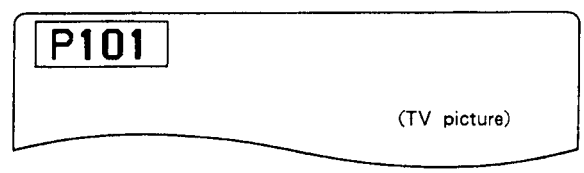
To resume normal teletext reception, press ⊜/⊜.

To enlarge the teletext display.
Press ⊜. Press once to enlarge the upper half of the display ; press again to enlarge the lower half of the display ; press again to return to the normal display.

To reveal concealed infomation such as the answers to a quiz
Press ⊜ (REVEAL)
Press again to conceal the answers.

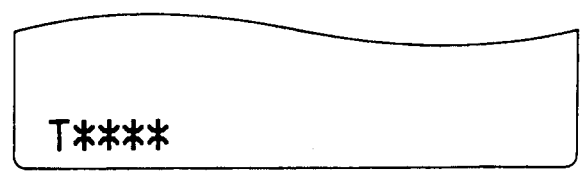
To adjust the contrast of the teletext display.
Press ◑ + or – button.

To watch the TV program while waiting for a requested page to be displayed.
1 Request the new page.
2 Press ⊜ to watch the TV program. The requested page number appears at the top left of the screen.
When the requested page has been found, the page number is displayed on the top left hand corner of the screen.

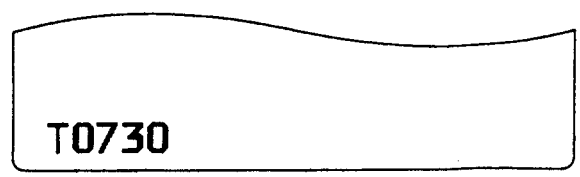


To view this page, press ⊜/⊜.

To have a requested page displayed at a pre-determined time.
1 Request a time coded page (e. g. alarm page).
2 Press ⊜ (TP ON).
"T＊＊＊＊" will appear at the bottom of the screen.



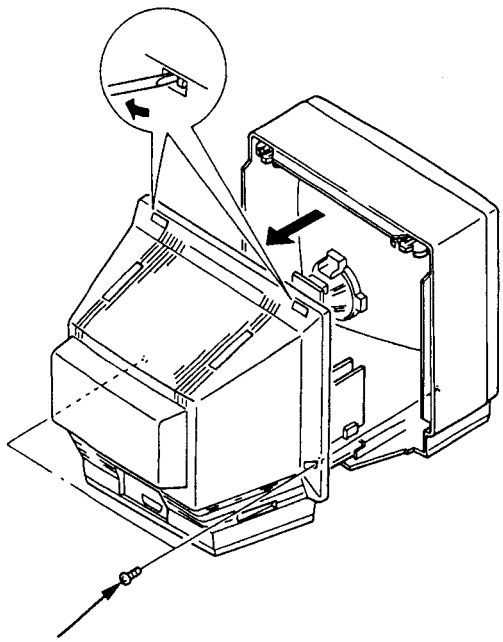
3 Enter your request time with the number buttons, using four digits. For example, 07 : 30.



To watch the TV program until the requested time, press ⊜.
At the requested time, the page number will be displayed at the top of the screen.
To view this page, press ⊜/⊜.
To cancel the request, first ensure that the teletext page is displayed, then press ⊜ (TP OFF).

SECTION 2
DISASSEMBLY

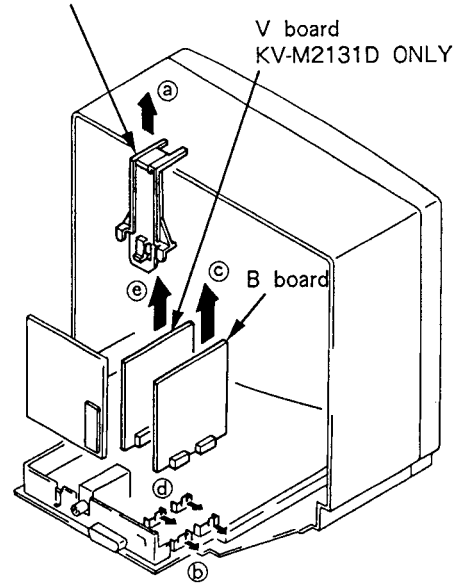
2-1. REAR COVER REMOVAL



① Remove the two screws.
② On the top of the rear cover, use a screwdriver to push the tab (circled in the figure) in the direction of the arrow to release the cover holder.

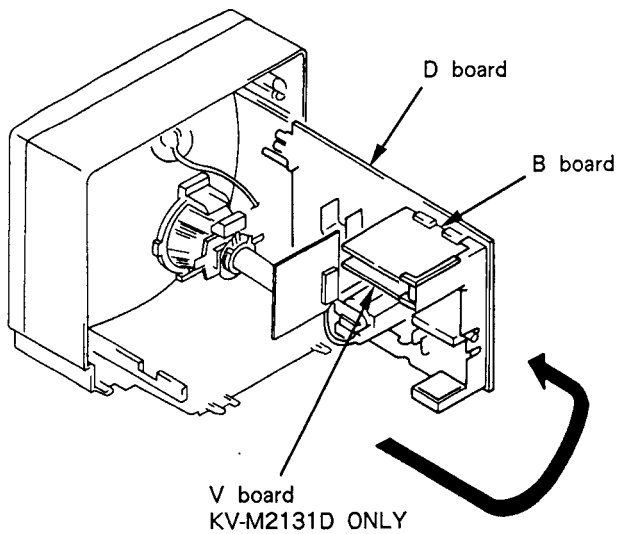
2-2. B AND V BOARDS REMOVAL

① Remove the B bracket in the direction of arrow ⓐ while pull the bracket clip.

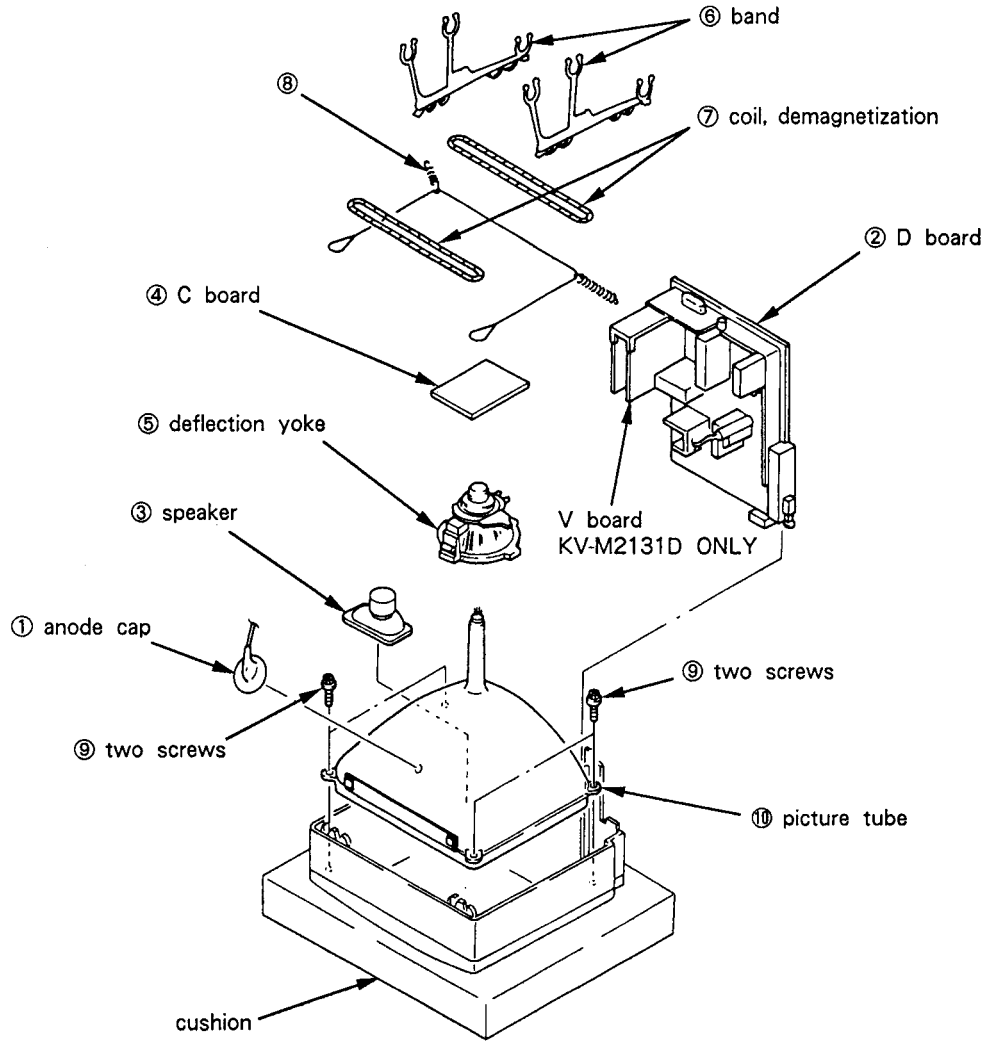


② Pull the two clips in the direction of arrow ⓑ. Remove the B board in the direction of arrow ⓒ.
③ Pull the two clips in the direction of arrow ⓓ. Remove the V board in the direction of arrow ⓔ. (KV-M2131D only)

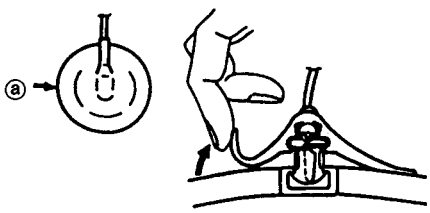
2-3. SERVICE POSITION



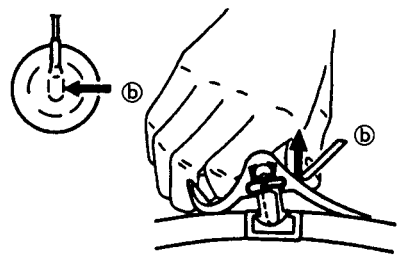
2–4. PICTURE TUBE REMOVAL



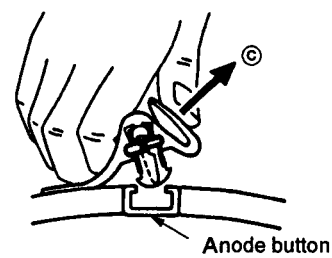
- **REMOVAL OF ANODE-CAP**
- **REMOVING PROCEDURES**



① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.



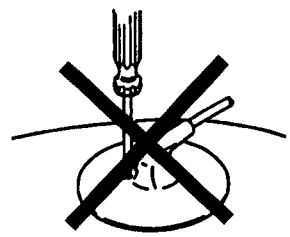
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.

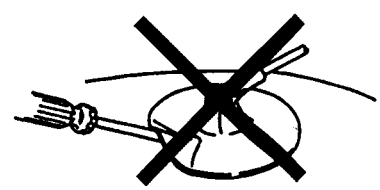


③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⓒ.

- **HOW TO HANDLE AN ANODE-CAP**

① Don't hurt the surface of anode-caps with sharp shaped material!
② Don't press the rubber hardly not to hurt inside of anode-caps!
A metal fitting called as shatter-hook terminal is built in the rubber.
③ Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3
SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

◑CONTRAST control ····· 80% (or Normal by Commander)

☼BRIGHTNESS control ····· 50%

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color Bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Preparation

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3−1. BEAM LANDING

1. Input a raster signal with the pattern generator.
   CONTRAST, BRIGHTNESS } normal
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3−1 − 3−3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3−1)
5. Switch over the raster signal to blue and green and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3−4)

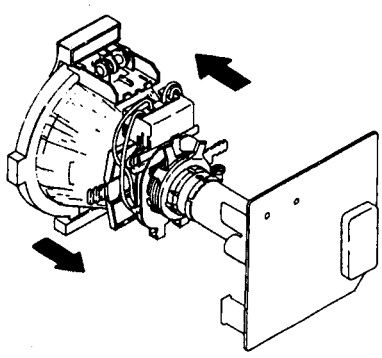


Fig. 3−1

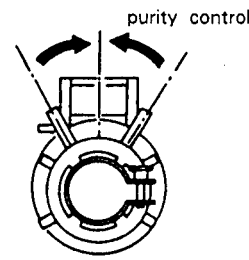


Fig. 3−2

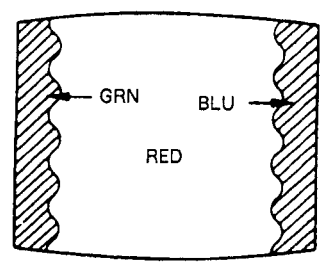


Fig. 3−3

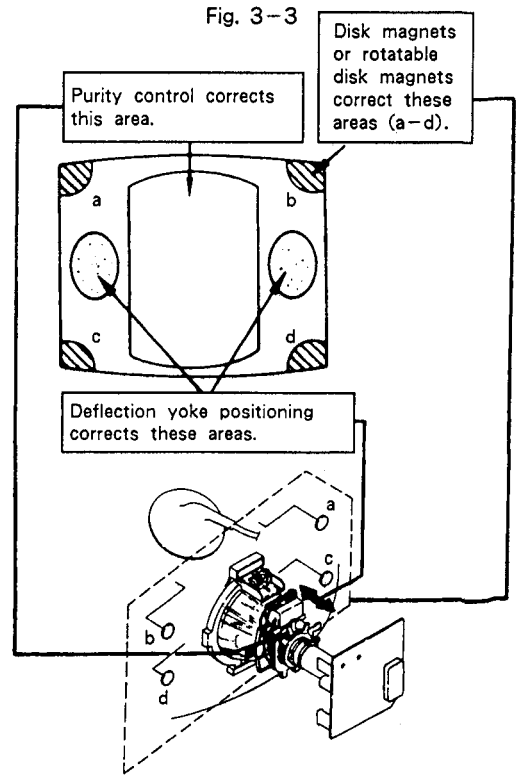


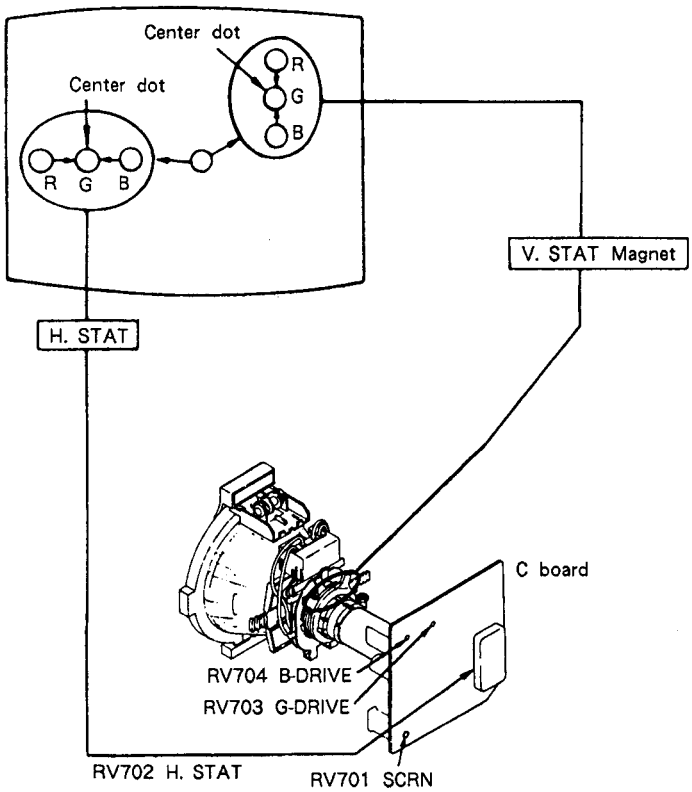
Fig. 3−4

3—2. CONVERGENCE

Preparation :

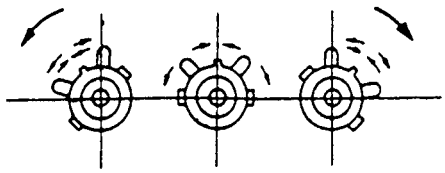
- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

(1) Horizontal and Vertical Static Convergence

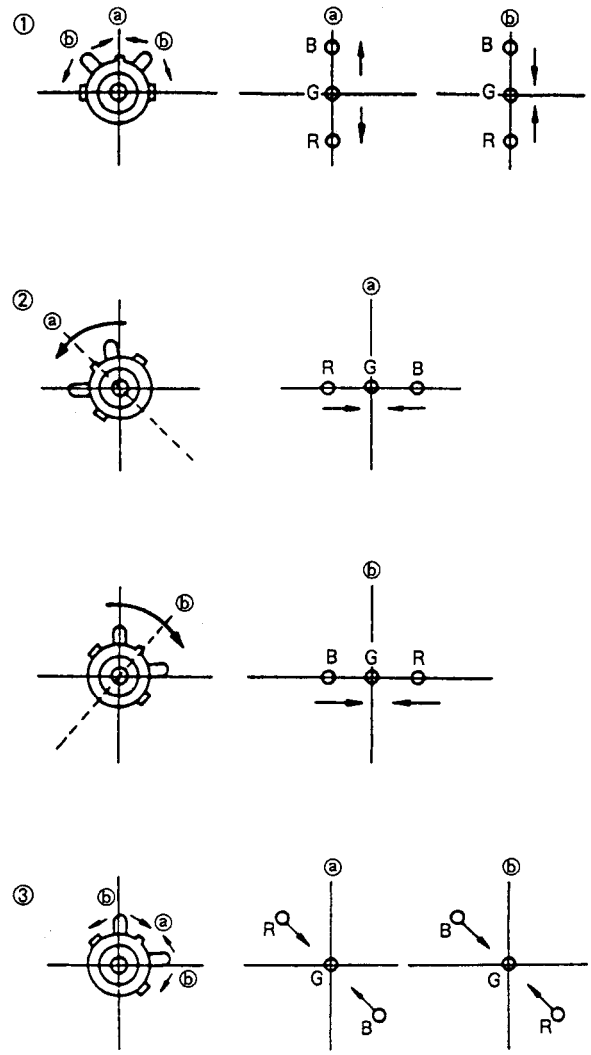


1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen.(Horizontal movement)
2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen.(Vertical movement)
3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)

- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



4. When the V. STAT magnet is moved in the direction of arrow ⓐ and ⓑ, red, green and blue dots move as shown below.

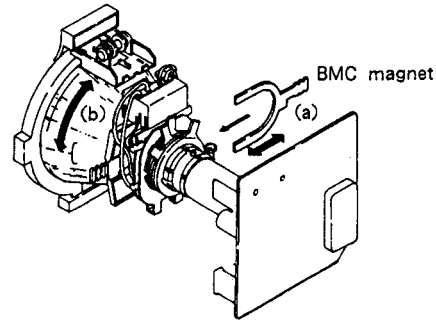


If the red and blue dots do not coincide with green dot, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.

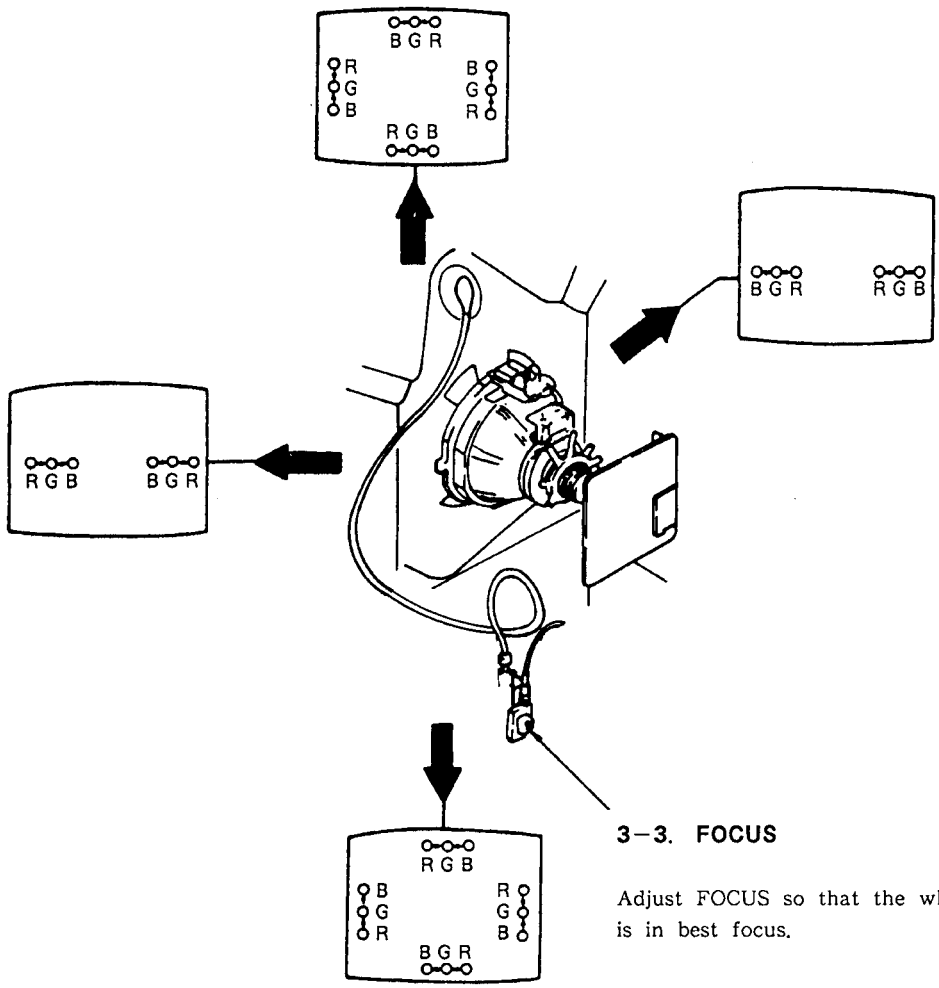


(2) Dynamic Convergence Adjustment

Preparation :

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

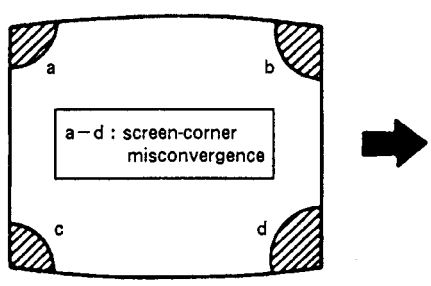
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

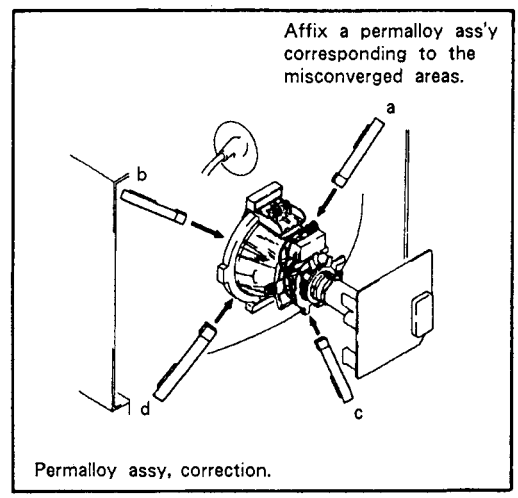


3-3. FOCUS

Adjust FOCUS so that the whole screen is in best focus.

(3) Screen-corner Convergence





3—4. WHITE BALANCE

〔Screen (G2) Setting〕

1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 140 V DC to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

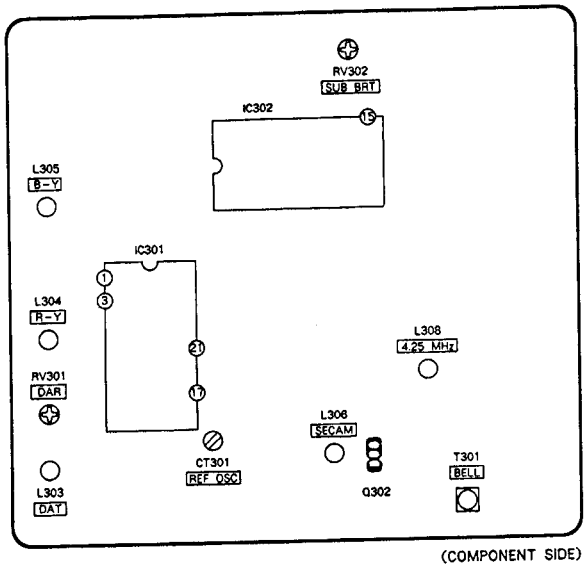
〔White Balance Adjustment〕

1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

SECTION 4
CIRCUIT ADJUSTMENTS

4−1. B BOARD ADJUSTMENTS



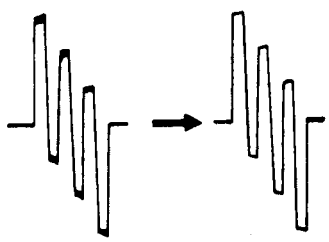
(COMPONENT SIDE)

REF OSC Adjustment (CT301)

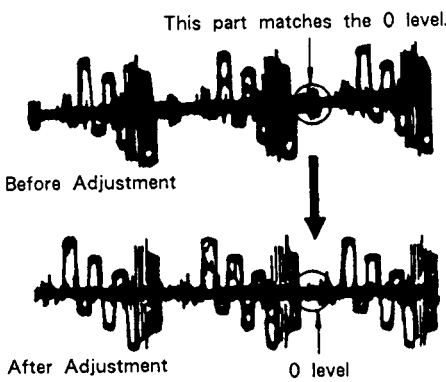
1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑰ of IC301 and ground.
3. Adjust CT301 to obtain color synchronization.
4. Remove the jumper wire from IC301.

1H DELAY LINE Adjustment (L303 DAT, RV301 DAR)

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC301 and observe the waveform of the H block on the oscilloscope.
3. Adjust L303 to minimize the double waveform outline.


Before Adjustment After Adjustment

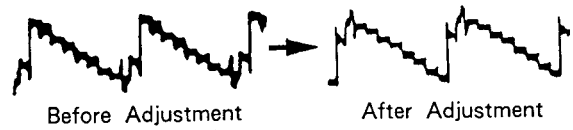
4. Input a PAL TEST COLOR BAR pattern.
5. Rotate the RV301 VR and adjust till the ANT PAL part of the waveform matches the 0 level.



6. L303 and RV301 affect each other. so repeat till the conditions of both are met.

Y TRAP 4.25 MHz Adjustment (L308)

1. Input a SECAM COLOR BAR pattern.
2. Connect pin ⑮ of IC302 to the oscilloscope and adjust L308 so that the waveform level becomes minimum.

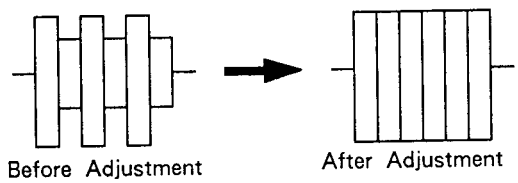

Before Adjustment After Adjustment

SECAM ID Adjustment (L306)

1. Input a SECAM COLOR BAR pattern.
2. Connect a Digital Multimeter at pin ㉑ of IC301.
3. Adjust L306 so that the indicator goes up to the maximum.

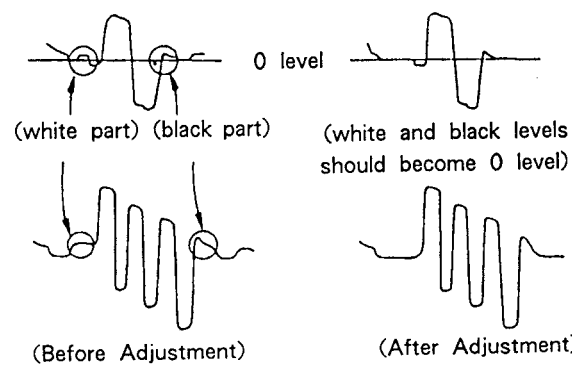
BELL FILTER Adjustment (T301)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q302 emitter.
3. Adjust T301 so that the waveform becomes flat.


Before Adjustment After Adjustment

SECAM DISCRI Adjustment (L304 R−Y, L305 B−Y)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC301.
3. Adjust L304 (R−Y) so that white and black parts of the waveform of pin ① becomes 0 level.
4. Connect an oscilloscope to pin ③ of IC301.
5. Adjust L305 (B−Y) so that white and black parts of the waveform of pin ③ becomes 0 level.

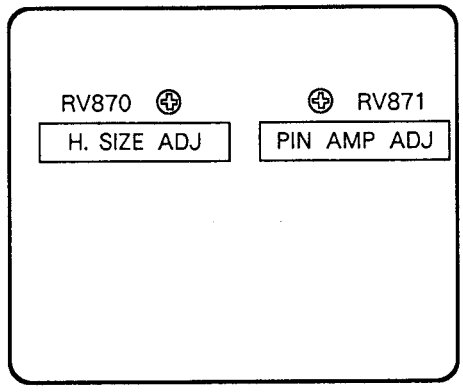


SUB BRT Adjustment (RV302)

1. Input a PAL COLOR BAR signal.
2. Set CONTRAST and COLOR volume to a minimum, and set the BRIGHTNESS volume control to the mechanical center.
3. Slowly rotate SUB BRT (RV302) until the red portion is faintly illuminated.

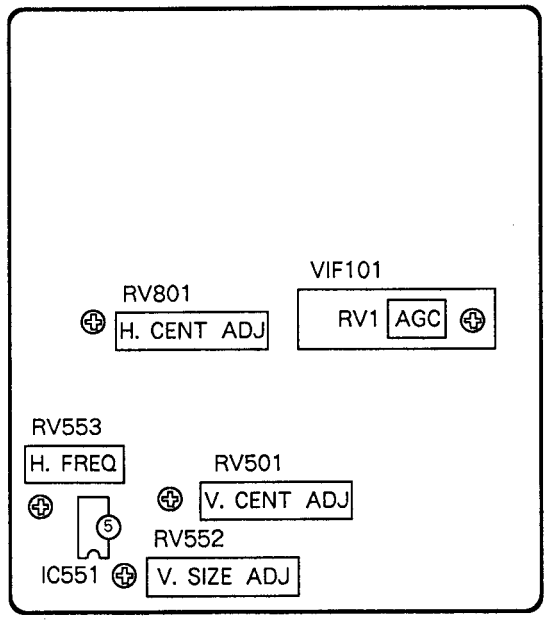
4-2. D AND D1 BOARDS ADJUSTMENTS

D1 BOARD



(COMPONENT SIDE)

D BOARD



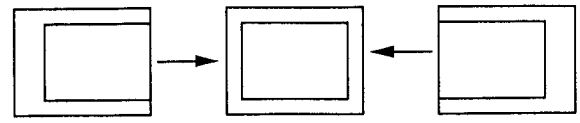
(COMPONENT SIDE)

TU AGC (RF AGC)

1. Tune in air signals.
2. Adjust AGC VR (RF AGC) so that snow-noise and cross-modulation just disappear from the picture.

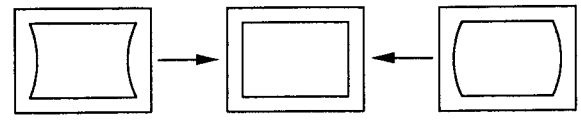
D BOARD

RV801 H.CENT (HORIZONTAL CENTER)



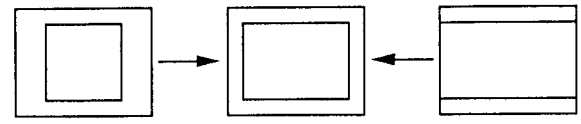
D1 BOARD

RV871 PIN. AMP



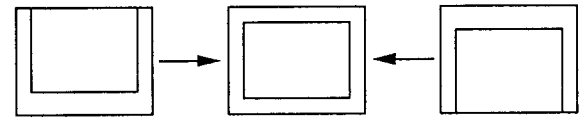
D1 BOARD

RV870 H.SIZE (HORIZONTAL SIZE)



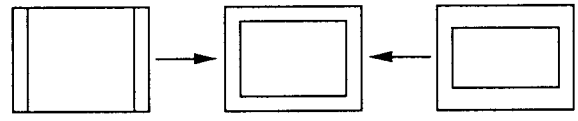
D BOARD

RV501 V.CENT (VERTICAL CENTER)



D BOARD

RV552 V.SIZE (VERTICAL SIZE)



H. FREQ (RV553)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100 μ/16V) between Pin ⑤ and GND of IC551.
2. Adjust RV553 (H. FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.

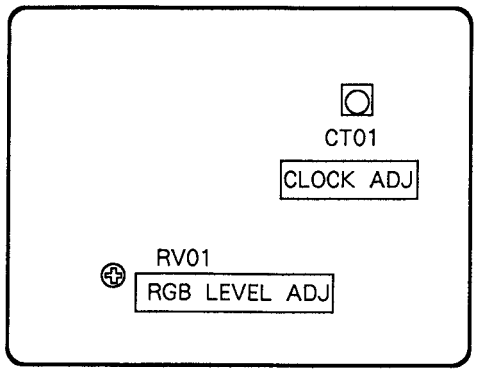
fo : too low

fo : suitable

fo : too high

fo : 15,625±50Hz

4-3. V BOARD ADJUSTMENTS (KV-M2131D ONLY)



(COMPONENT SIDE)

Clock Adjustment (CT01)

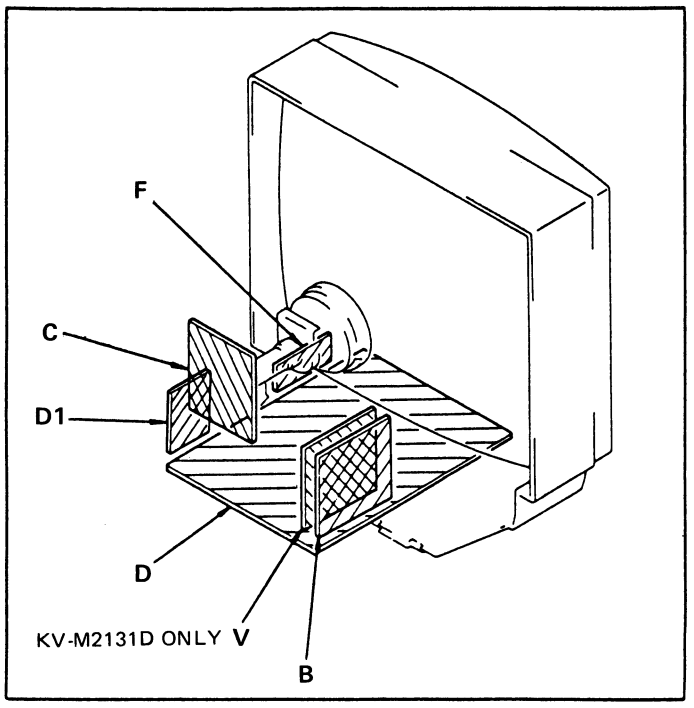
1. Raise pin ③ of CNV01.
2. Set up the TELE TEXT mode.
3. Adjust CT01 to stop the pictures from scrolling.

RGB Level Adjustment (RV01)

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes maximum.

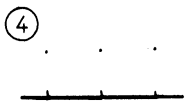
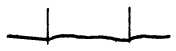
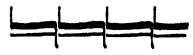
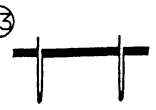
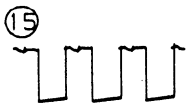
SECTION 5
DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



5-2. SCHEMATIC DIAGRAMS

D BOARD WAVEFORMS

① 1.0Vp-p (H)	② 0.95Vp-p (H)	③ 4.0Vp-p (4MHz)
④  5.1Vp-p (V)	⑤ 4.3 Vp-p (H)	⑥ 2.2Vp-p (H)
⑦ 3.6Vp-p (H)	⑧ 3.5Vp-p (H)	⑨ 1.5Vp-p (V)
⑩  6.0Vp-p (V)	⑪ 60 Vp-p (V)	⑫  30 Vp-p (V)
⑬  1.6Vp-p (V)	⑭ 32 Vp-p (V)	⑮  3.0Vp-p (H)
⑯ 10.5Vp-p (H)	⑰ 960 Vp-p (H)	

Note:

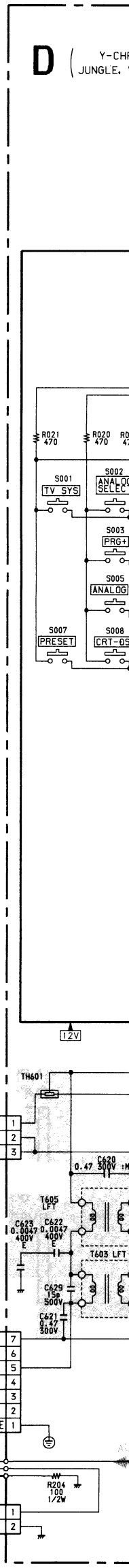
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

  Pitch: 5 mm
  Rating electrical power ¼ W
- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10 MΩ digital multimeter.
- Readings are taken with a PAL color-bar signal input.
- Voltage variations may be noted due to normal production tolerance.
- : B + bus.
- : B − bus.
- : signal path.

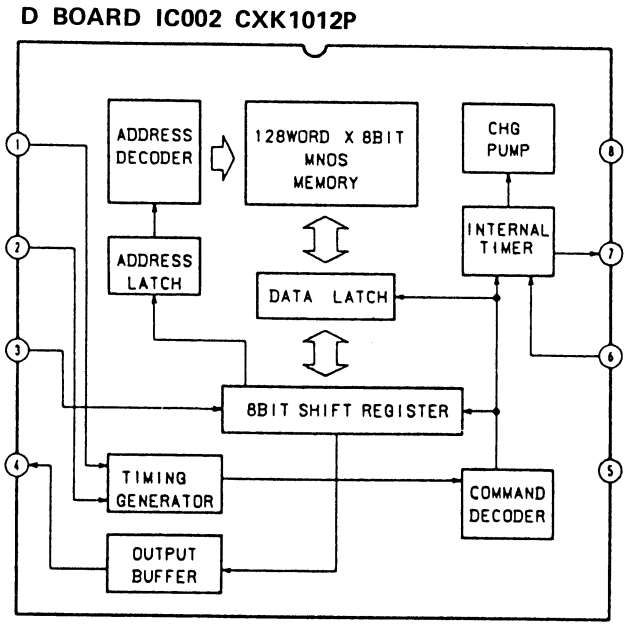
Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

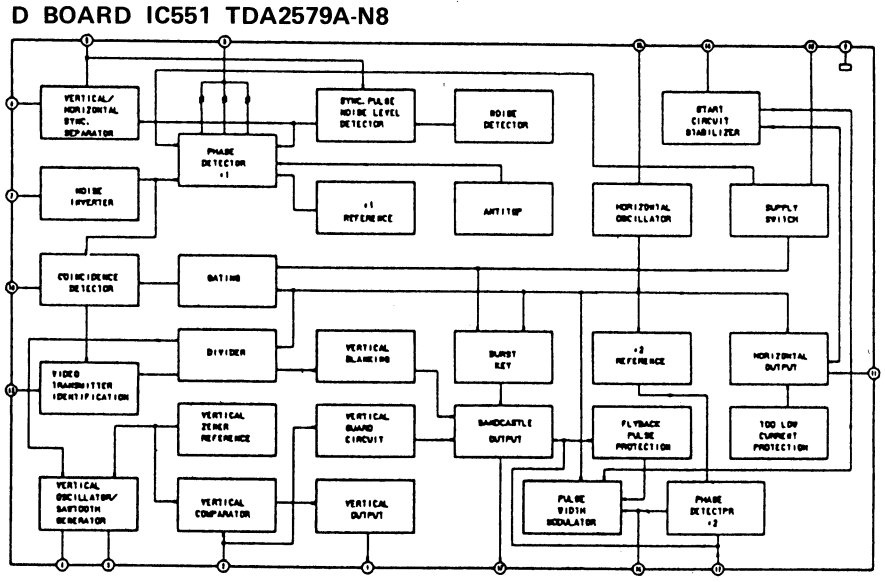
Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



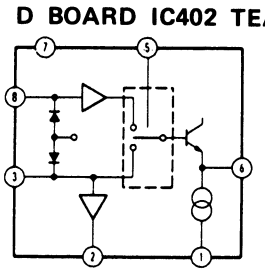
D BOARD IC002 CXK1012P



D BOARD IC551 TDA2579A-N8

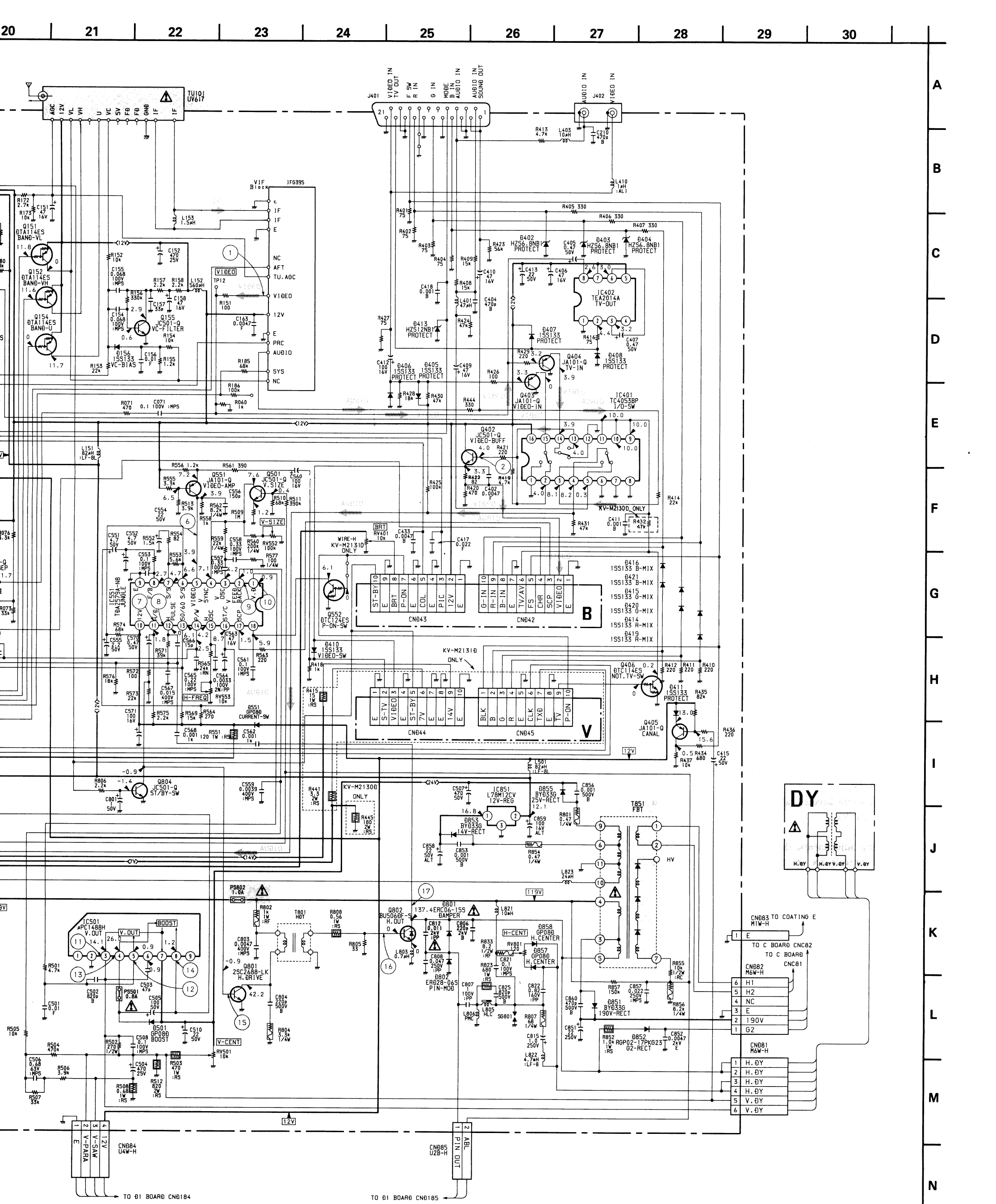


D BOARD IC402 TEA2014A



D (Y-CHROMA, JUNGLE, V.H DEF)

TEA2014A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UV617
AGC
12V
VL
VH
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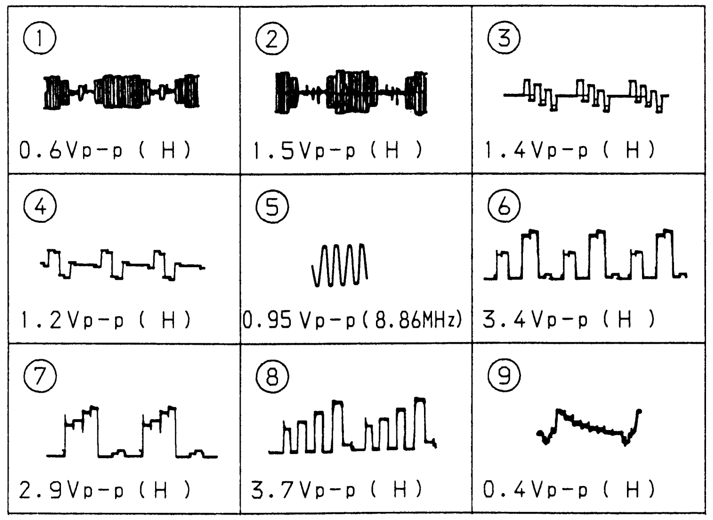
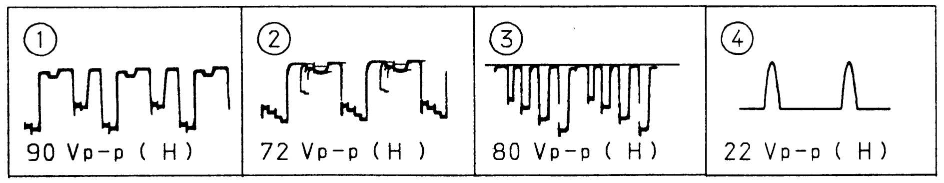
VC
SV
FB
FB
GND
IF
IF
J401
VIDEO IN
TV OUT
F SW
R IN
G IN
MODE
B IN
AUDIO IN
AUDIO IN
SOUND OUT
J402
AUDIO IN
VIDEO IN
VIF Block
IFG395
L153 1.5μH
L410 1μH :AL1
R413 4.7k
L403 10μH
C210 470p B
Q151 DTA114ES BAND-VL
Q152 DTA114ES BAND-VH
Q154 DTA114ES BAND-U
Q155 JC501-Q VC-FILTER
D156 1SS133 VC-BIAS
D402 HZS6.8NB1 PROTECT
D403 HZS6.8NB1 PROTECT
D404 HZS6.8NB1 PROTECT
D413 HZS12NB1 PROTECT
D407 1SS133 PROTECT
D408 1SS133 PROTECT
D406 1SS133 PROTECT
D405 1SS133 PROTECT
IC402 TEA2014A TV-OUT
Q404 JA101-Q TV-IN
Q403 JA101-Q VIDEO-IN
IC401 TC4053BP I/O-SW
Q402 JC501-Q VIDEO-BUFF
Q551 JA101-Q VIDEO-AMP
Q501 JC501-Q V.SIZE
IC551 TDA2579A-N8 JUNGLE
V-SIZE
H-FREQ
V-CENT
BRT
RV401 10k
WIRE-H KV-M2130 ONLY
Q552 DTC124ES P-ON-SW
CN043
CN042
B
D416 1SS133 B-MIX
D421 1SS133 B-MIX
D415 1SS133 G-MIX
D420 1SS133 G-MIX
D414 1SS133 R-MIX
D419 1SS133 R-MIX
D410 1SS133 VIDEO-SW
KV-M2131 ONLY
CN044
CN045
V
Q406 DTC114ES NOT.TV-SW
D411 1SS133 PROTECT
Q405 JA101-Q CANAL
D551 GP088 CURRENT-SW
Q804 JC501-Q ST/BY-SW
KV-M2130 ONLY
IC851 L78M12CV 12V-REG
D855 BY033G 25V-RECT
D853 BY033G 14V-RECT
T851 FBT
HV
IC501 μPC1488H V.OUT
BOOST
V.OUT
Q801 2SC2688-LK H.DRIVE
T801 HOT
Q802 BU5060F-S H.OUT
D801 137.4ERC06-15S DAMPER
H-CENT
D858 GP088 H.CENTER
D857 GP088 H.CENTER
D802 ER028-06S PIN-MOD
D501 GP088 BOOST
D851 BY033G 190V-RECT
D852 RGP02-17PKG23 G2-RECT
CN083 TO COATING E M1W-H
TO C BOARD CNC82
TO C BOARD
CN082 M6W-H
CNC81
CN081 M6W-H
H1
H2
NC
E
190V
G2
H.DY
V.DY
CN084 U4W-H
E
V-PARA
V-SAW
12V
CN085 U2B-H
ABL
PIN OUT
TO D1 BOARD CN0184
TO D1 BOARD CN0185
DY
H.DY
V.DY

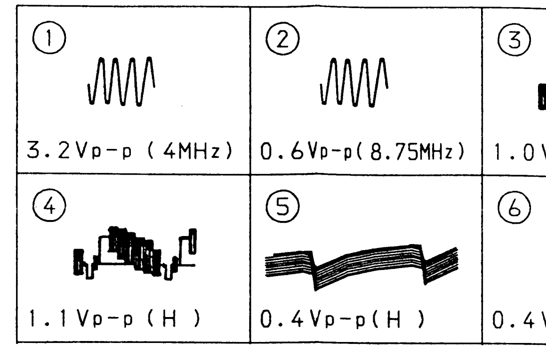
B BOARD WAVEFORMS

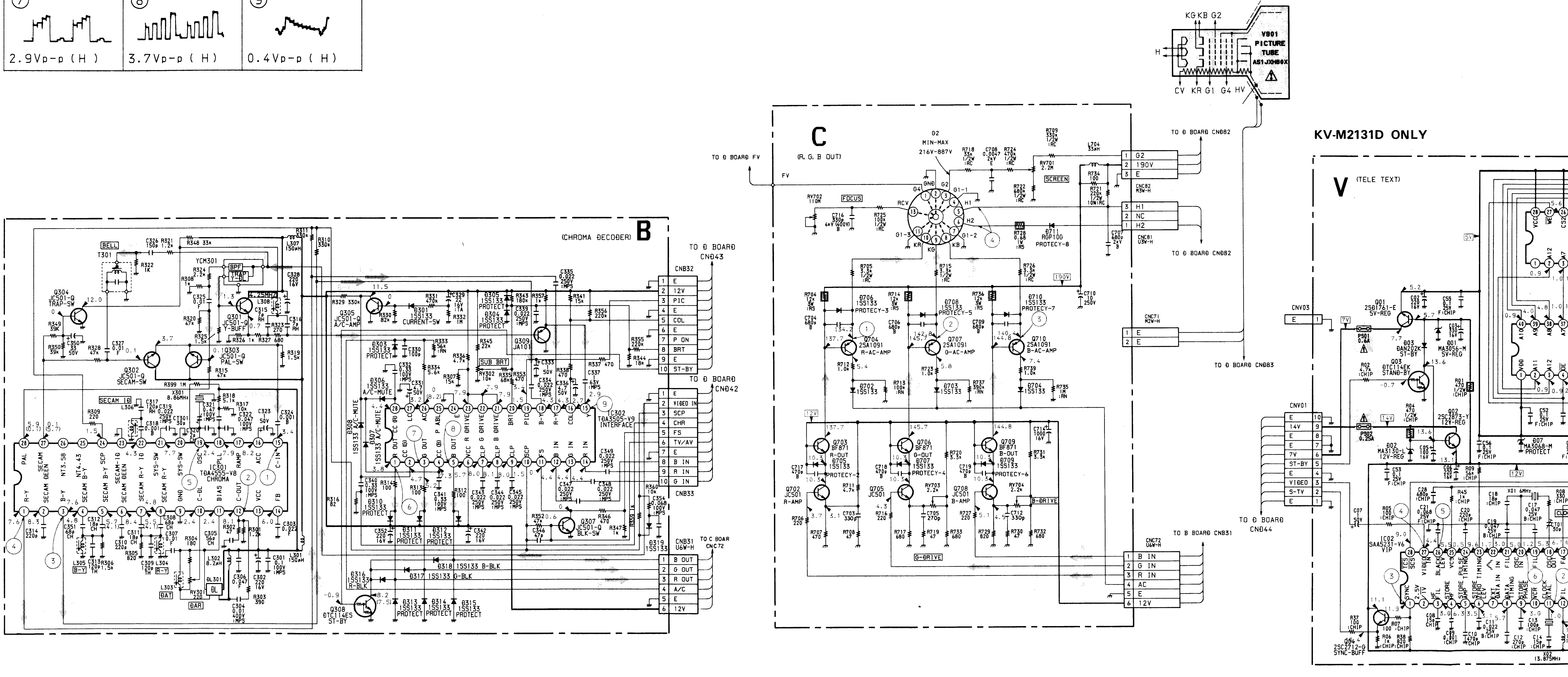


C BOARD WAVEFORMS



V BOARD WAVEFORMS





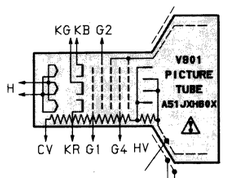
V801 PICTURE TUBE A51JXH80X
B (CHROMA DECODER)
IC301 TDA4555-V8 CHROMA
IC302 TDA3505-V9 INTERFACE
TO D BOARD CND43
TO D BOARD CND42
CNB32
CNB33
CNB31 U6W-H
TO C BOARD CNC72
C (R, G, B OUT)
TO D BOARD FV
TO D BOARD CND82
TO D BOARD CND83
TO B BOARD CNB31
CNC72 U6W-H
KV-M2131D ONLY
V (TELE TEXT)
IC02 SAA5231-V6 VIP
CNV01
CNV03
TO D BOARD CND44

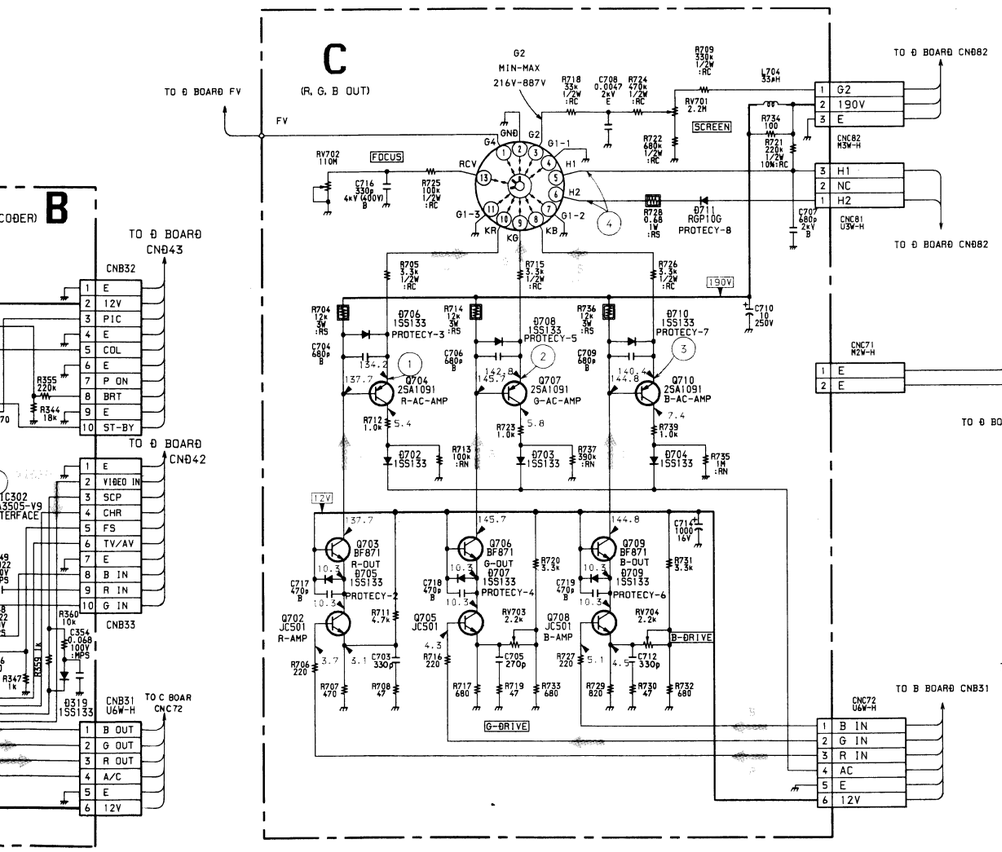
D WAVEFORMS

p (H)	② 72 Vp-p (H)	③ 80 Vp-p (H)	④ 22 Vp-p (H)

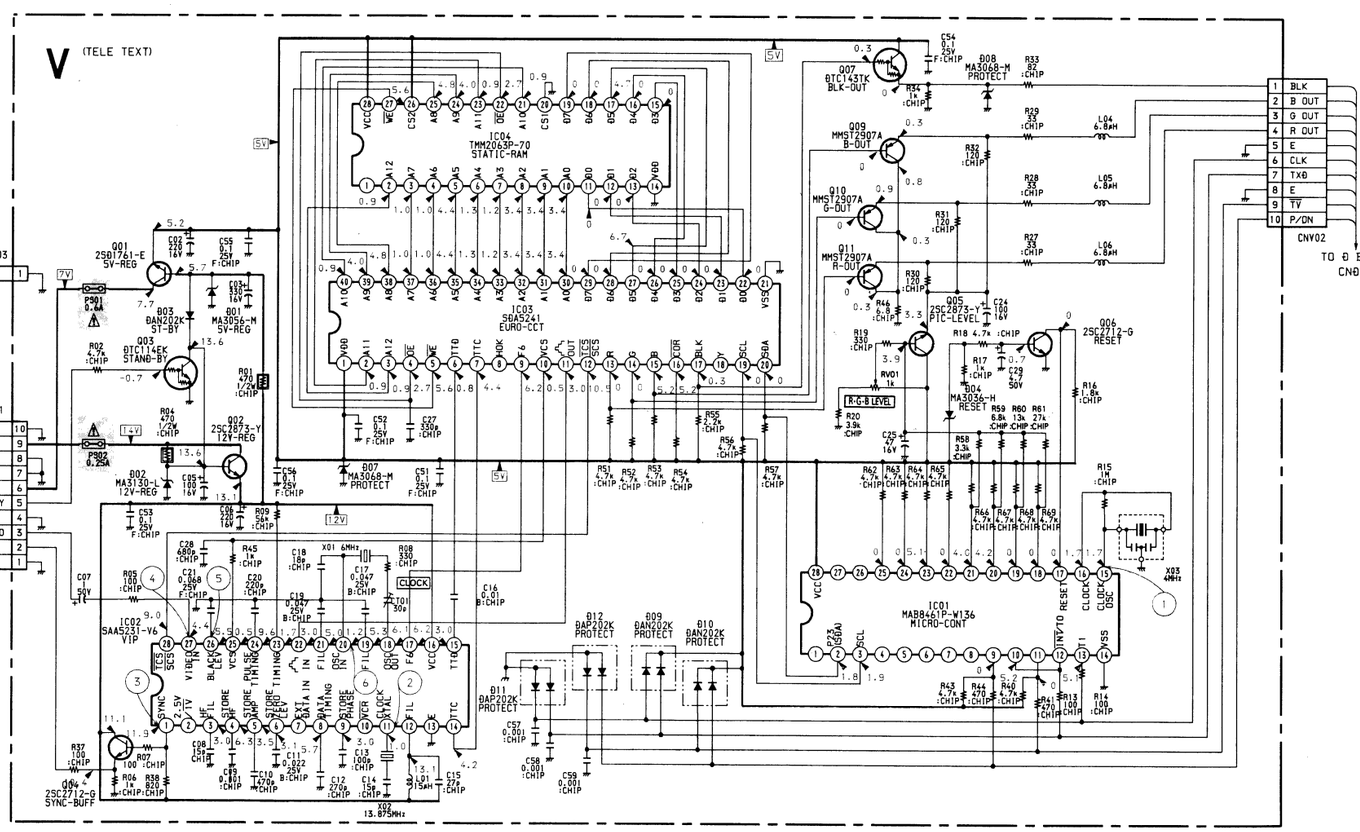
V BOARD WAVEFORMS

① 3.2Vp-p (4MHz)	② 0.6Vp-p(8.75MHz)	③ 1.0Vp-p (H)
④ 1.1Vp-p (H)	⑤ 0.4Vp-p(H)	⑥ 0.4Vp-p (6MHz)





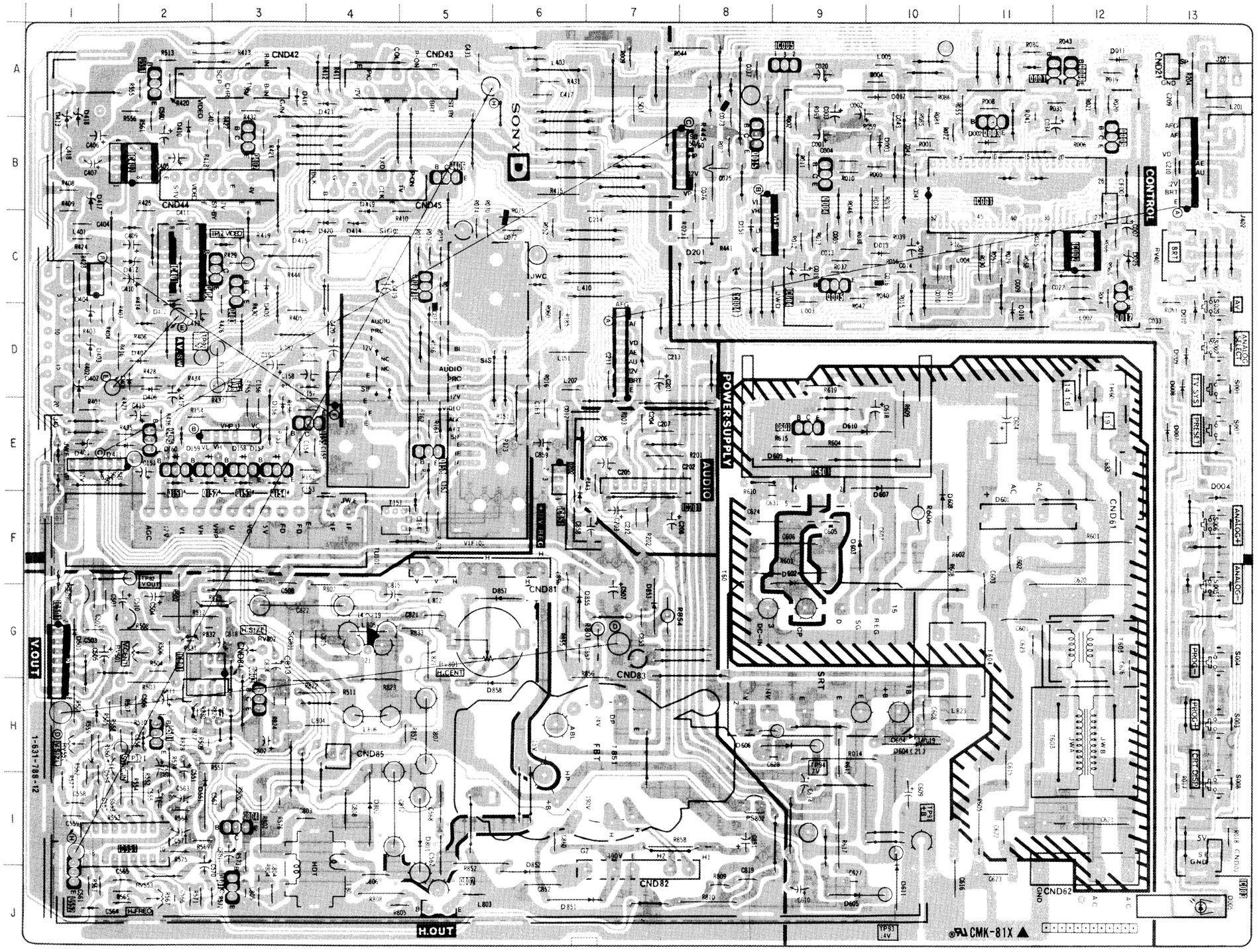
KV-M2131D ONLY



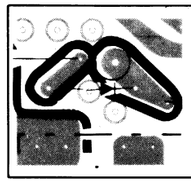
5-3. PRINTED WIRING BOARDS

– D Board –

D [Y-CHROMA JUNGLE, V.H DEF]



IC			
IC001	B – 11	D017	A – 10
IC002	C – 11	D019	C – 10
IC003	I – 13	D025	C – 12
IC004	C – 9	D151	C – 8
IC005	A – 9	D156	E – 3
		D201	C – 8
		D402	D – 1
IC201	E – 7	D403	D – 1
IC401	C – 2	D405	C – 3
IC402	B – 2	D406	D – 2
IC406	B – 5		
IC501	G – 1	D407	D – 2
		D408	D – 2
IC551	I – 1	D410	B – 2
IC601	E – 9	D412	C – 2
IC801	G – 2	D413	B – 1
IC851	F – 6		
		D414	C – 4
		D415	C – 3
TRANSISTOR		D416	A – 3
		D420	C – 4
Q001	A – 11	D421	A – 4
Q003	B – 11		
Q004	B – 9	D501	G – 1
Q005	C – 9	D551	I – 2
Q008	A – 12	D602	F – 9
		D603	F – 9
Q009	B – 12	D604	H – 10
Q012	C – 12		
Q015	B – 8	D605	J – 10
Q071	C – 5	D606	H – 9
Q151	E – 2	D607	E – 10
		D608	F – 10
Q152	E – 2	D609	E – 9
Q154	E – 3		
Q155	E – 5	D610	E – 9
Q158	E – 5	D611	I – 10
Q402	B – 2	D801	I – 5
		D802	I – 4
Q403	C – 3	D851	J – 7
Q404	C – 3		
Q405	E – 2	D852	J – 6
Q406	B – 5	D853	G – 7
Q501	H – 2	D855	G – 6
		D857	F – 6
Q551	A – 2	D858	G – 6
Q552	J – 1		
Q601	E – 9	VARIABLE RESISTOR	
Q801	J – 3		
Q802	J – 5	RV401	C – 13
		RV501	G – 2
Q803	H – 3	RV552	H – 1
Q804	I – 3	RV553	J – 2
		RV562	I – 1
DIODE		RV801	G – 5
D002	B – 11		
D003	B – 10		
D004	F – 13		
D005	J – 13		
D007	E – 13		
D008	D – 13		
D009	D – 13		
D010	D – 13		
D011	A – 12		
D016	D – 11		

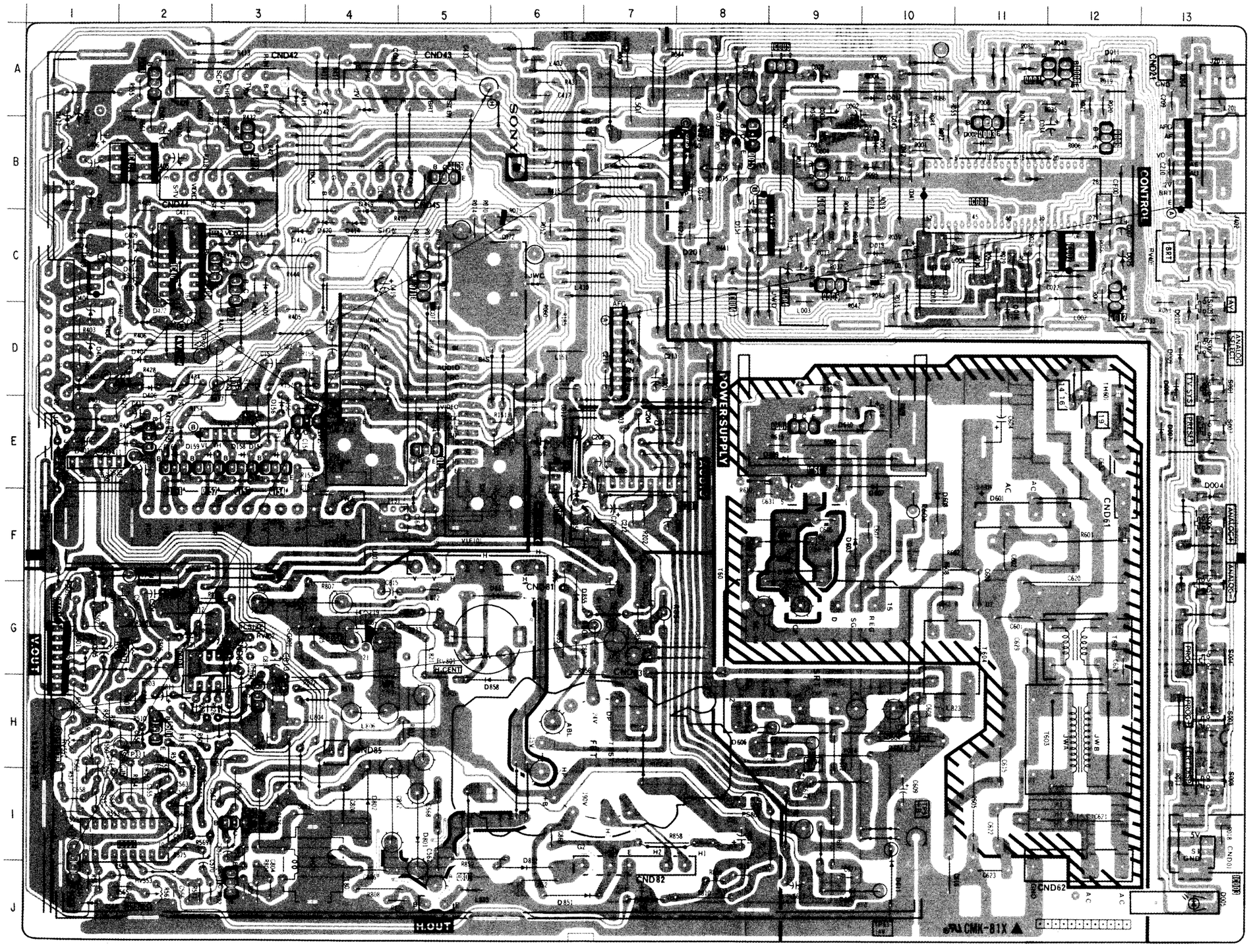


NOTE:
The circuit indicated as left contain
600 Vp-p. Care must be paid to preve
inspection or repairing.

5-3. PRINTED WIRING BOARDS

– D Board –

D [Y-CHROMA JUNGLE, V.H DEF]

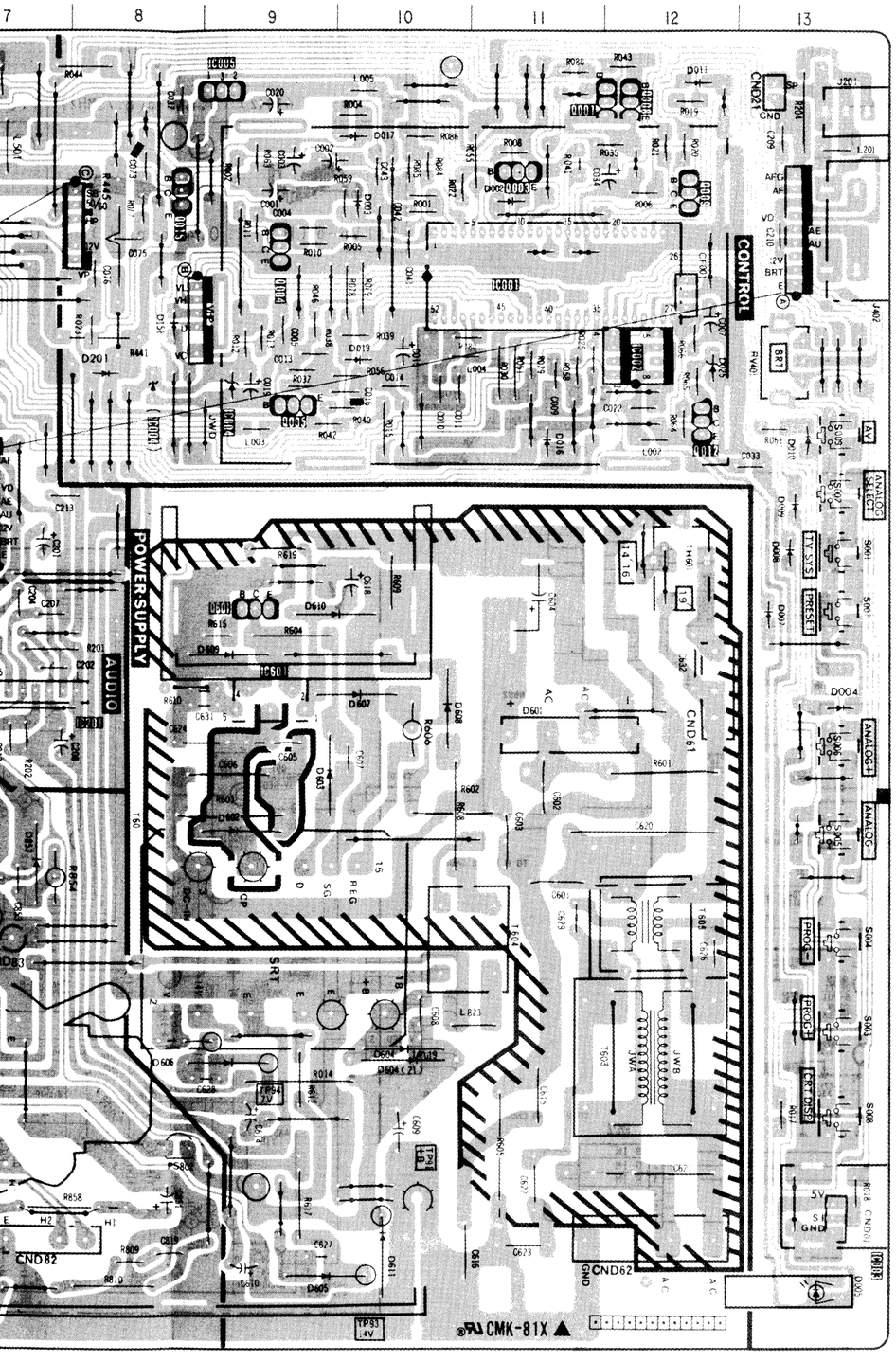


IC		D017	A – 10
		D019	C – 10
IC001	B – 11	D025	C – 12
IC002	C – 11	D151	C – 8
IC003	I – 13	D156	E – 3
IC004	C – 9		
IC005	A – 9	D201	C – 8
		D402	D – 1
IC201	E – 7	D403	D – 1
IC401	C – 2	D405	C – 3
IC402	B – 2	D406	D – 2
IC406	B – 5		
IC501	G – 1	D407	D – 2
		D408	D – 2
IC551	I – 1	D410	B – 2
IC601	E – 9	D412	C – 2
IC801	G – 2	D413	B – 1
IC851	F – 6		
		D414	C – 4
		D415	C – 3
TRANSISTOR		D416	A – 3
		D420	C – 4
Q001	A – 11	D421	A – 4
Q003	B – 11		
Q004	B – 9	D501	G – 1
Q005	C – 9	D551	I – 2
Q008	A – 12	D602	F – 9
		D603	F – 9
Q009	B – 12	D604	H – 10
Q012	C – 12		
Q015	B – 8	D605	J – 10
Q071	C – 5	D606	H – 9
Q151	E – 2	D607	E – 10
		D608	F – 10
Q152	E – 2	D609	E – 9
Q154	E – 3		
Q155	E – 5	D610	E – 9
Q158	E – 5	D611	I – 10
Q402	B – 2	D801	I – 5
		D802	I – 4
Q403	C – 3	D851	J – 7
Q404	C – 3		
Q405	E – 2	D852	J – 6
Q406	B – 5	D853	G – 7
Q501	H – 2	D855	G – 6
		D857	F – 6
Q551	A – 2	D858	G – 6
Q552	J – 1		
Q601	E – 9	VARIABLE RESISTOR	
Q801	J – 3		
Q802	J – 5	RV401	C – 13
		RV501	G – 2
Q803	H – 3	RV552	H – 1
Q804	I – 3	RV553	J – 2
		RV562	I – 1
DIODE		RV801	G – 5
D002	B – 11		
D003	B – 10		
D004	F – 13		
D005	J – 13		
D007	E – 13		
D008	D – 13		
D009	D – 13		
D010	D – 13		
D011	A – 12		
D016	D – 11		

NOTE:
The circuit indicated as left contain
600 Vp-p. Care must be paid to preve
inspection or repairing.

– D1 Board

– F Board

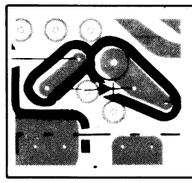


IC	
IC001	B – 11
IC002	C – 11
IC003	I – 13
IC004	C – 9
IC005	A – 9
IC201	E – 7
IC401	C – 2
IC402	B – 2
IC406	B – 5
IC501	G – 1
IC551	I – 1
IC601	E – 9
IC801	G – 2
IC851	F – 6

TRANSISTOR	
Q001	A – 11
Q003	B – 11
Q004	B – 9
Q005	C – 9
Q008	A – 12
Q009	B – 12
Q012	C – 12
Q015	B – 8
Q071	C – 5
Q151	E – 2
Q152	E – 2
Q154	E – 3
Q155	E – 5
Q158	E – 5
Q402	B – 2
Q403	C – 3
Q404	C – 3
Q405	E – 2
Q406	B – 5
Q501	H – 2
Q551	A – 2
Q552	J – 1
Q601	E – 9
Q801	J – 3
Q802	J – 5
Q803	H – 3
Q804	I – 3

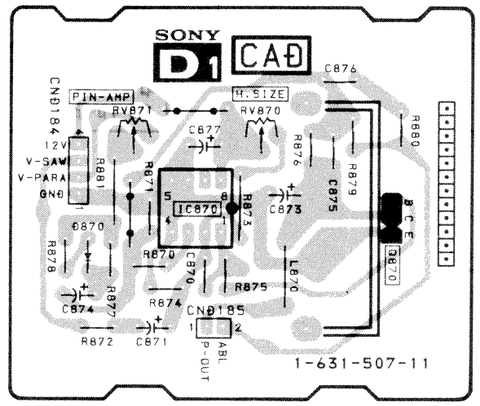
DIODE	
D002	B – 11
D003	B – 10
D004	F – 13
D005	J – 13
D007	E – 13
D008	D – 13
D009	D – 13
D010	D – 13
D011	A – 12
D016	D – 11
D017	A – 10
D019	C – 10
D025	C – 12
D151	C – 8
D156	E – 3
D201	C – 8
D402	D – 1
D403	D – 1
D405	C – 3
D406	D – 2
D407	D – 2
D408	D – 2
D410	B – 2
D412	C – 2
D413	B – 1
D414	C – 4
D415	C – 3
D416	A – 3
D420	C – 4
D421	A – 4
D501	G – 1
D551	I – 2
D602	F – 9
D603	F – 9
D604	H – 10
D605	J – 10
D606	H – 9
D607	E – 10
D608	F – 10
D609	E – 9
D610	E – 9
D611	I – 10
D801	I – 5
D802	I – 4
D851	J – 7
D852	J – 6
D853	G – 7
D855	G – 6
D857	F – 6
D858	G – 6

VARIABLE RESISTOR	
RV401	C – 13
RV501	G – 2
RV552	H – 1
RV553	J – 2
RV562	I – 1
RV801	G – 5

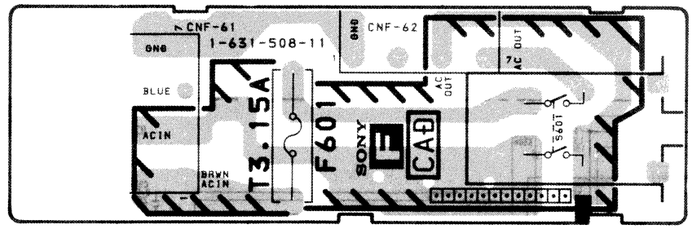


NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

– D1 Board –

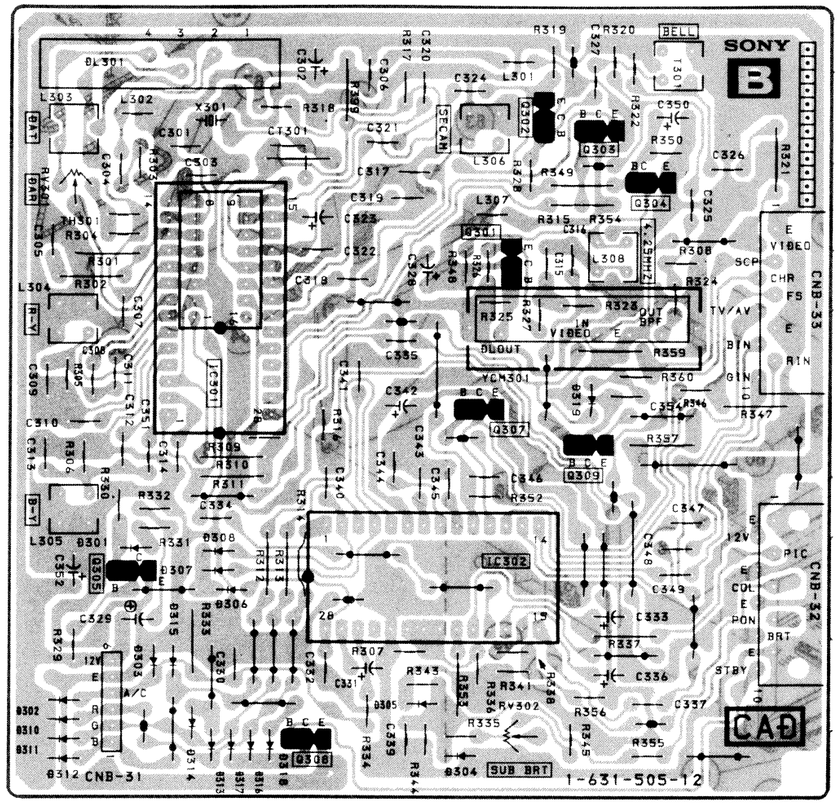


– F Board –



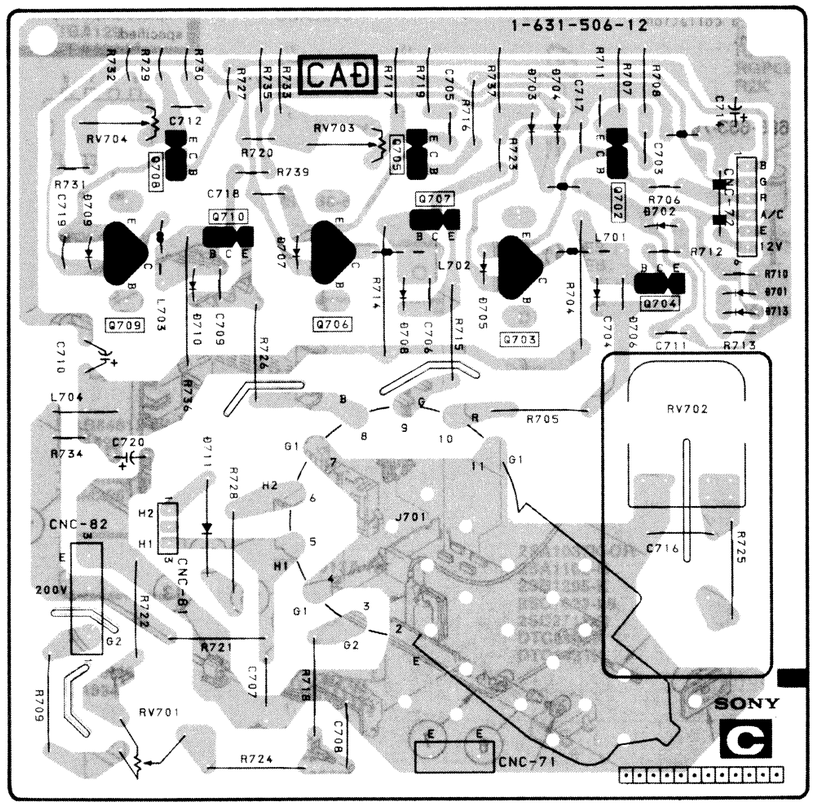
B [CHROMA DECODER]

— B Board —

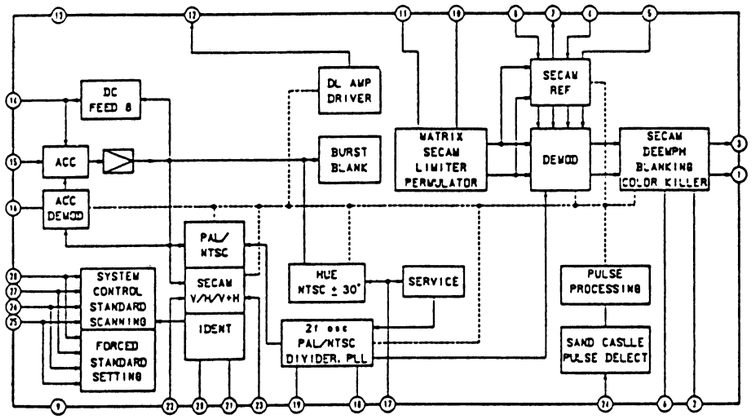


C [R.G.B. OUT]

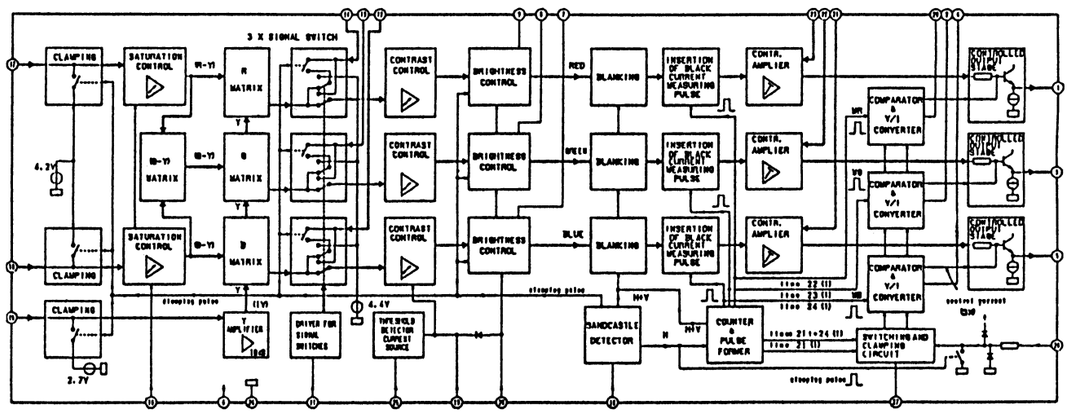
— C Board —



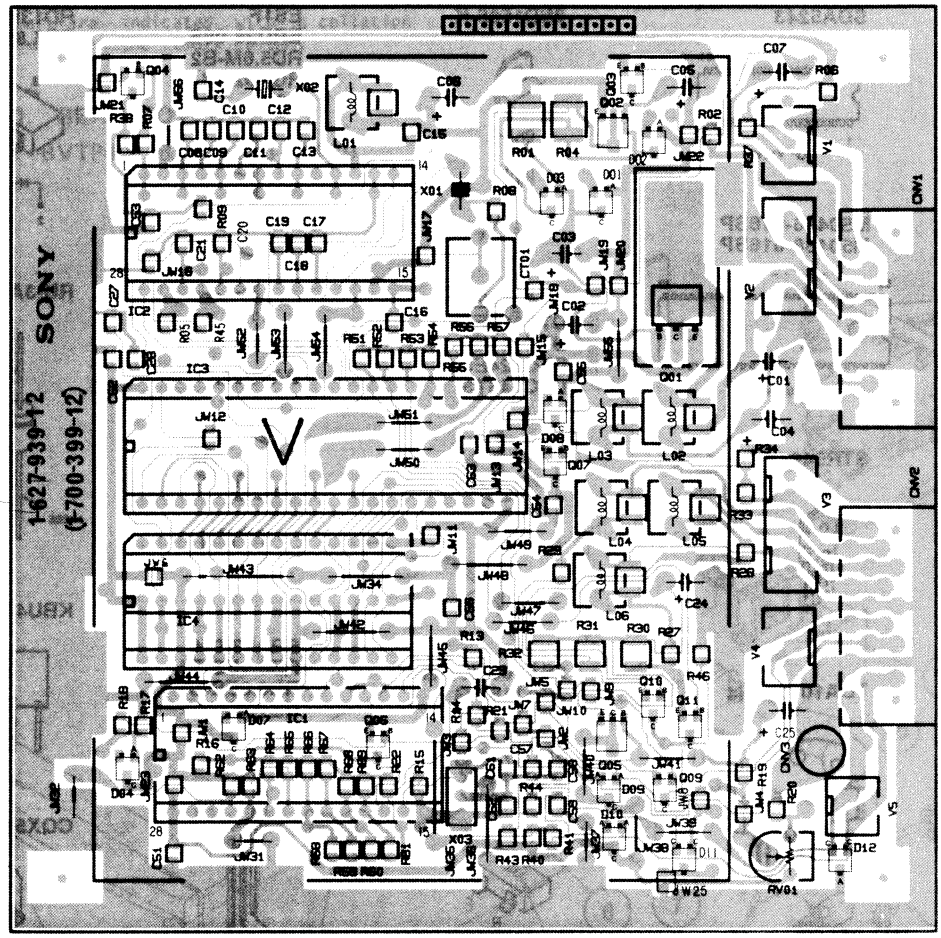
B BOARD IC301 TDA4555-V8



B BOARD IC302 TDA3505-V9

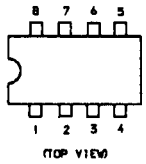


– V Board – (KV-M2131D ONLY)

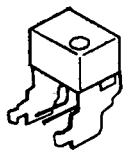


5-4. SEMICONDUCTORS

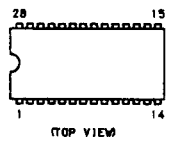
CXK1012P
RC4558P
TBA129
TEA2014A



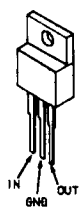
KEY-C005V



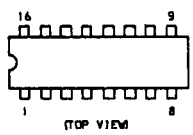
MAB8461P-W177
SAA5231-V6
TDA3505-V9
TDA4555-V8
TMM2063P-70



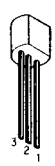
M5F78M12L
TDA8341-N6



MC14053BCP
TC4053BPHB



RC78L05A

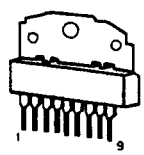


SAA5243P/E-M2
SDA5243

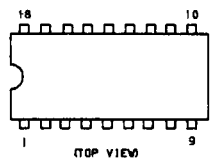
M50436-616SP
M50438-616SP

STR54041

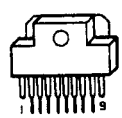
TDA1013A-N4



TDA2579A-N3

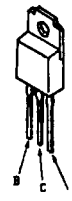


μPC1488H

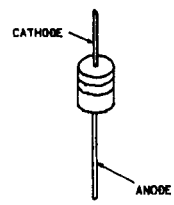


BF199
BF871
2SA733-K
2SA1091-0

BU506DF-S
2SD1585-K



DTA114ES
DTA124ES
DTC114ES
DTC124ES
DTC143TS



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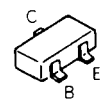
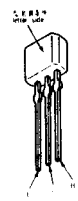
2SA1162-G
2SB1295-K
2SC1623-L6
2SC2712-G
DTC114EK
DTC143TK

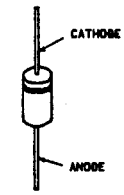


2SC2688-LK

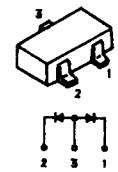
2SC2785-HFE



BY-D33G
ES1F
ERD28-08S
RD5.6M-B2
RGP02-17
R2K

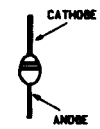


DAP202K

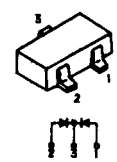


ERA83-006
RD3.9ES-B1
RD6.8ES-B1
RD12ES-B1
1SS119

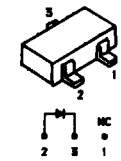
ERC06-15S
U05G



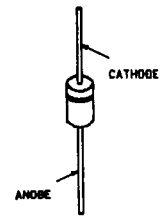
MA152WK



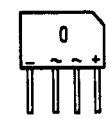
RD3.6M-B2
RD13M-B1
RD6.8M-B2



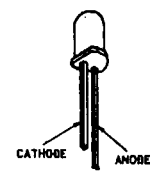
RU-3AM



KBU4JL-6088



CQX51L-5



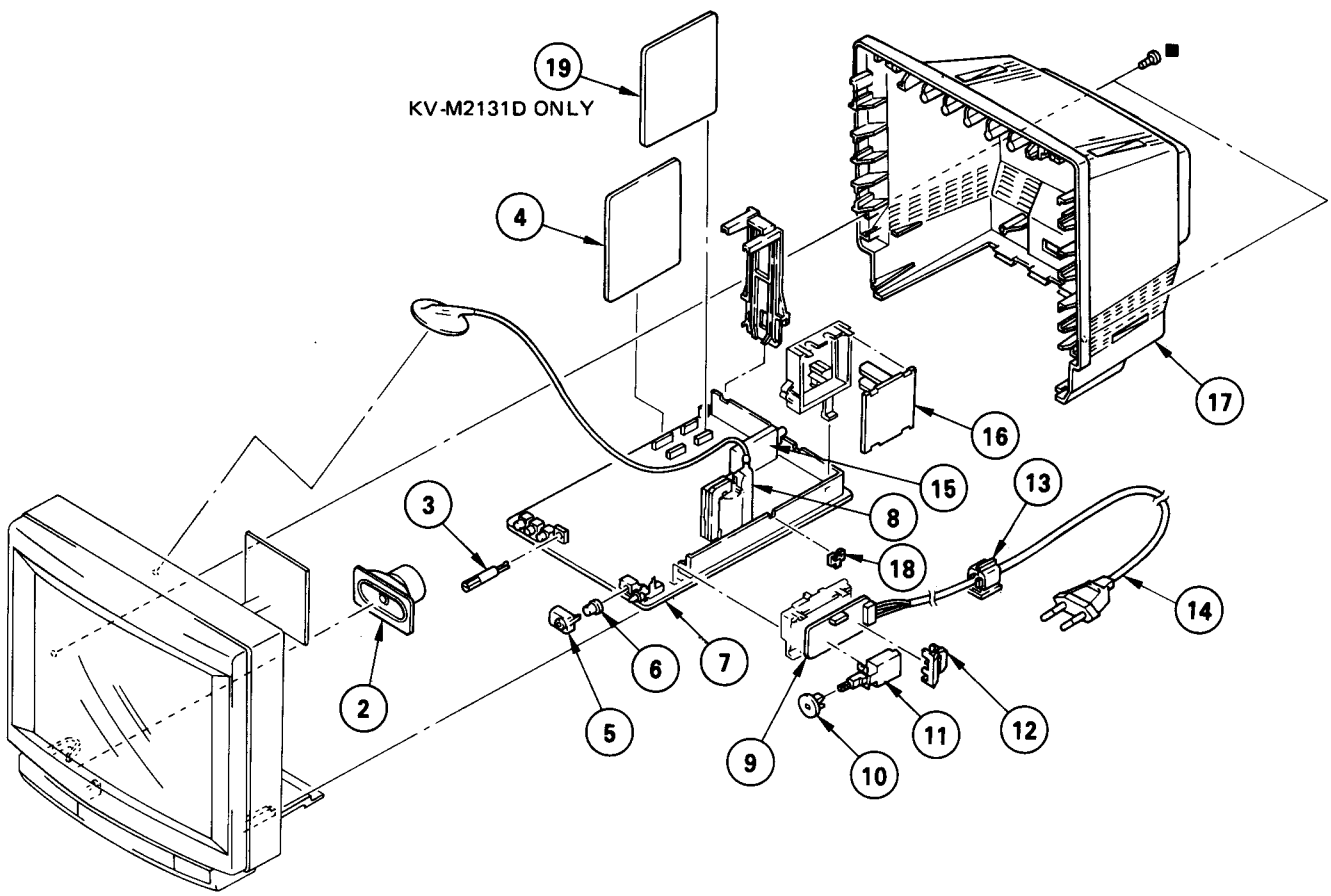
SECTION 6
EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

6-1. REAR COVER

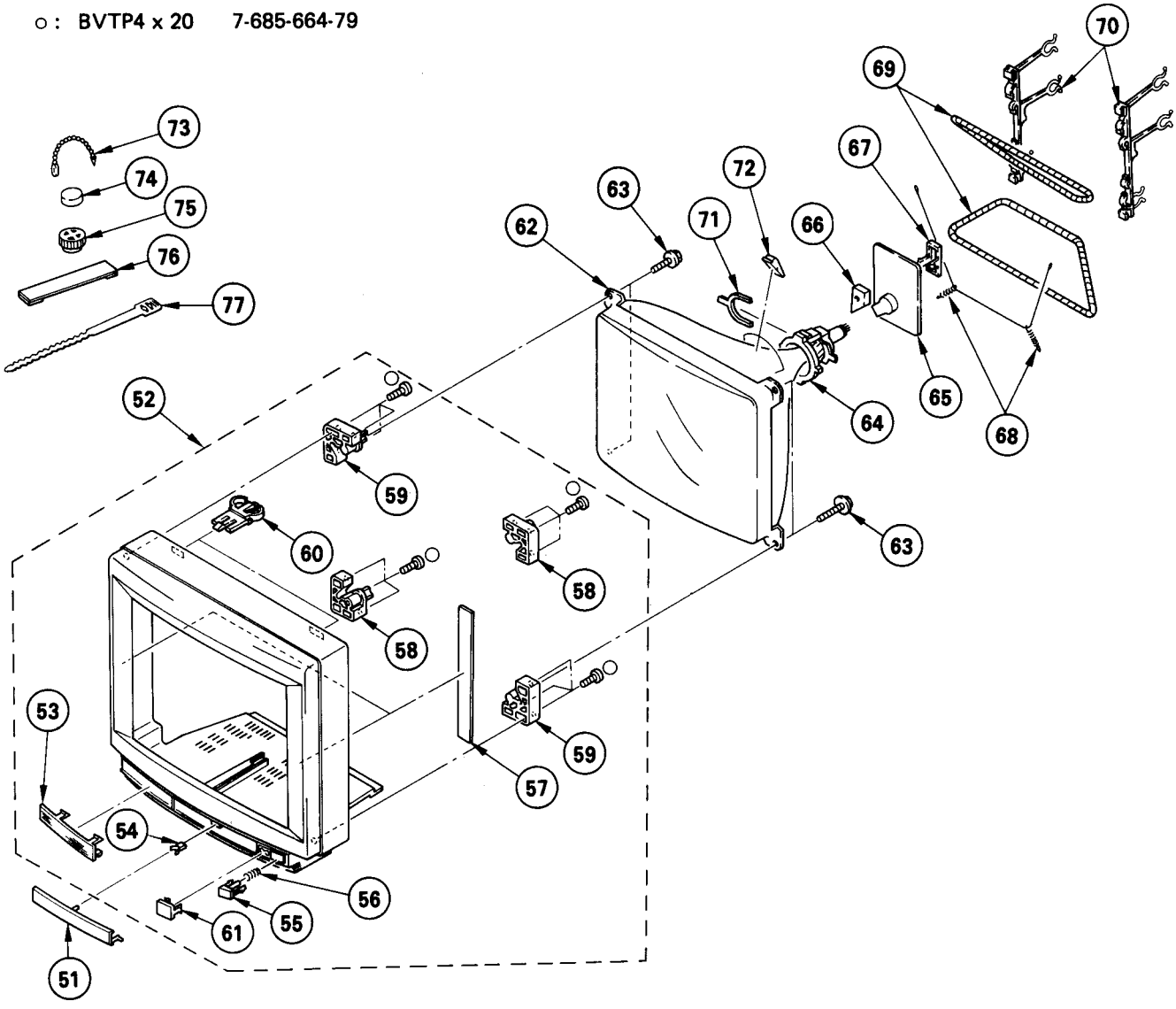
■ : BVTP4 x 16 7-685-663-79



REF.NO.	PART NO.	DESCRIPTION	REMARK
2	1-503-258-21	SPEAKER	
3	4-389-302-01	KNOB, VOLUME	
4	*A-1621-007-A	B BOARD, COMPLETE	
5	*4-381-686-01	BRACKET (B), LIGHT GUIDE	
6	*4-374-987-01	GUIDE, LIGHT	
7	*A-1642-023-A	D BOARD, COMPLETE (KV-M2130D ONLY)	
	*A-1642-024-A	D BOARD, COMPLETE (KV-M2131D ONLY)	
8 ⚠	.1-439-416-11	TRANSFORMER ASSY, FLYBACK (UX-1600)	
9	*1-631-508-11	F BOARD	
10	4-386-611-01	COVER, SWITCH	
11 ⚠	.1-571-433-11	SWITCH, PUSH (AC POWER)	
12	*4-386-620-01	COVER, POWER	
13 ⚠	.4-389-201-02	HOLDER, AC CORD	
14 ⚠	.1-559-346-12	CORD, POWER (WITH CONNECTOR)	
15 ⚠	.1-463-881-11	TUNER, ET (UV-617)	
16	*1-631-507-11	D1 BOARD	
17	4-391-472-02	COVER, REAR	
18	*3-646-071-00	HOLDER, WIRE	
19	*A-1347-031-A	V BOARD, COMPLETE (KV-M2131D ONLY)	

6-2. PICTURE TUBE

○ : BVTP4 x 20 7-685-664-79



REF.NO.	PART NO.	DESCRIPTION	REMARK
51	4-200-292-01	DOOR, CONTROL (KV-M2130D ONLY)	
	4-200-292-11	DOOR, CONTROL (KV-M2131D ONLY)	
52	X-4200-042-1	CABINET ASSY (WITH BEZEL ASSY)	53-61
53	4-200-290-01	GRILLE, SPEAKER	
54	4-392-036-01	CATCHER, PUSH	
55	4-389-375-01	BUTTON, POWER	
56	4-367-209-00	SPRING, COMPRESSION	
57	4-386-645-01	CUSHION, PICTURE TUBE	
58	*4-387-805-03	BRACKET (A), PICTURE TUBE	
59	*4-387-806-03	BRACKET (B), PICTURE TUBE	
60	4-387-960-01	HOLDER, REAR COVER	
61	4-200-289-01	PLATE, ORNAMENTAL	
62 ⚠	.8-738-753-05	PICTURE TUBE (A51JXH60X)	
63	4-382-733-01	SCREW (S), PT	

REF.NO.	PART NO.	DESCRIPTION	REMARK
64 ⚠	.1-451-295-11	DEFLECTION YOKE (Y21PFA2)	
65	*A-1330-992-A	C BOARD, COMPLETE	
66	*4-379-167-01	COVER (MAIN), CV	
67	*4-379-160-01	COVER (REAR LID), CV	
68	4-369-318-00	SPRING, TENSION	
69 ⚠	.1-426-383-11	COIL, DEMAGNETIZATION	
70	*4-386-622-01	BAND, DGC	
71	1-452-277-00	MAGNET, BMC	
72	3-704-495-01	SPACER, DY	
73	4-308-870-00	CLIP, LEAD WIRE	
74	1-452-032-00	MAGNET, DISK; 10MM ϕ	
75	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
76	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
77	3-701-007-00	BAND, BINDING	

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

SECTION 7

ELECTRICAL PARTS LIST

F C

NOTE:

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS
• MF : μF, PF : μμF

COILS
• MMH : mH, UH : μH

RESISTORS
• All resistors are in ohms
• F : nonflammable

REF.NO.	PART NO.	DESCRIPTION				REMARK
	*1-631-508-11	F BOARD				
		*******				
		<CONNECTOR>				
CNF61	*1-566-664-11	PIN, CONNECTOR 4P				
CNF62	*1-566-664-11	PIN, CONNECTOR 4P				
		<FUSE>				
F601 ⚠	1-576-016-11	FUSE, GLASS-TUBE (TIME-LAG) 3.15A/250V				
	1-533-087-00	HOLDER, FUSE; F601				
		<SWITCH>				
S601 ⚠	1-571-433-11	SWITCH, PUSH (AC POWER)				
**********						
	*A-1330-992-A	C BOARD, COMPLETE				
		**********				
	*4-379-160-01	COVER (REAR LID), CV				
	*4-379-167-01	COVER (MAIN), CV				
		<CAPACITOR>				
C703	1-102-820-00	CERAMIC	330PF	5%	50V	
C704	1-102-116-00	CERAMIC	680PF	10%	50V	
C705	1-102-980-00	CERAMIC	270PF	5%	50V	
C706	1-102-116-00	CERAMIC	680PF	10%	50V	
C707	1-162-116-00	CERAMIC	680PF	10%	2KV	
C708	1-162-114-00	CERAMIC	0.0047MF		2KV	
C709	1-102-116-00	CERAMIC	680PF	10%	50V	
C710	1-123-947-00	ELECT	10MF	20%	250V	
C712	1-102-820-00	CERAMIC	330PF	5%	50V	
C714	1-124-360-00	ELECT	1000MF	20%	16V	
C716	1-162-622-11	CERAMIC	330PF	10%	400V	
C717	1-102-114-00	CERAMIC	470PF	10%	50V	
C718	1-102-114-00	CERAMIC	470PF	10%	50V	
C719	1-102-114-00	CERAMIC	470PF	10%	50V	
		<CONNECTOR>				
CNC71	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P				
CNC72	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P				
CNC81	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P				
CNC82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P				
		<DIODE>				
D702	8-719-911-19	DIODE 1SS119				
D703	8-719-911-19	DIODE 1SS119				
D704	8-719-911-19	DIODE 1SS119				
D705	8-719-911-19	DIODE 1SS119				
D706	8-719-911-19	DIODE 1SS119				
D707	8-719-911-19	DIODE 1SS119				
D708	8-719-911-19	DIODE 1SS119				
D709	8-719-911-19	DIODE 1SS119				
D710	8-719-911-19	DIODE 1SS119				
D711	8-719-300-33	DIODE RU-3AM				
		<JACK>				
J701	1-526-798-51	SOCKET, PICTURE TUBE				
		<COIL>				
L704	1-410-878-11	INDUCTOR	33UH			
		<TRANSISTOR>				
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q703	8-729-906-70	TRANSISTOR BF871				
Q704	8-729-200-17	TRANSISTOR 2SA1091-O				
Q705	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q706	8-729-906-70	TRANSISTOR BF871				
Q707	8-729-200-17	TRANSISTOR 2SA1091-O				
Q708	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q709	8-729-906-70	TRANSISTOR BF871				
Q710	8-729-200-17	TRANSISTOR 2SA1091-O				
		<RESISTOR>				
R704	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R705	1-202-824-00	SOLID	3.3K	10%	1/2W	
R706	1-249-409-11	CARBON	220	5%	1/4W	
R707	1-249-413-11	CARBON	470	5%	1/4W	
R708	1-249-401-11	CARBON	47	5%	1/4W	
R709	1-202-844-00	SOLID	330K	10%	1/2W	
R711	1-249-425-11	CARBON	4.7K	5%	1/4W	
R712	1-249-417-11	CARBON	1K	5%	1/4W	
R713	1-215-469-00	METAL	100K	1%	1/6W	
R714	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R715	1-202-824-00	SOLID	3.3K	10%	1/2W	
R716	1-249-409-11	CARBON	220	5%	1/4W	
R717	1-249-415-11	CARBON	680	5%	1/4W	
R718	1-202-814-11	SOLID	33K	10%	1/2W	
R719	1-249-401-11	CARBON	47	5%	1/4W	
R720	1-249-423-11	CARBON	3.3K	5%	1/4W	
R721	1-202-842-11	SOLID	220K	10%	1/2W	
R722	1-202-848-00	SOLID	680K	10%	1/2W	
R723	1-249-417-11	CARBON	1K	5%	1/4W	
R724	1-202-846-00	SOLID	470K	10%	1/2W	

C D1 V

REF.NO.	PART NO.	DESCRIPTION				REMARK
R725	1-202-838-00	SOLID	100K	10%	1/2W	
R726	1-202-824-00	SOLID	3.3K	10%	1/2W	
R727	1-249-409-11	CARBON	220	5%	1/4W	
R728	1-216-347-11	METAL OXIDE	0.68	5%	1W	F
R729	1-249-416-11	CARBON	820	5%	1/4W	
R730	1-249-401-11	CARBON	47	5%	1/4W	
R731	1-249-423-11	CARBON	3.3K	5%	1/4W	
R732	1-249-415-11	CARBON	680	5%	1/4W	
R733	1-249-415-11	CARBON	680	5%	1/4W	
R734	1-249-405-11	CARBON	100	5%	1/4W	
R735	1-215-493-00	METAL	1M	1%	1/6W	
R736	1-216-487-11	METAL OXIDE	12K	5%	3W	F
R737	1-215-483-00	METAL	390K	1%	1/6W	
R739	1-249-417-11	CARBON	1K	5%	1/4W	

<VARIABLE RESISTOR>

RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	
RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M	
RV703	1-237-749-11	RES, ADJ, CARBON 2200	
RV704	1-237-749-11	RES, ADJ, CARBON 2200	

****

*1-631-507-11 DI BOARD
****

<CAPACITOR>

C871	1-126-101-11	ELECT	100MF	20%	16V
C873	1-123-932-00	ELECT	4.7MF	20%	160V
C874	1-126-233-11	ELECT	22MF	20%	50V
C875	1-102-074-00	CERAMIC	0.001MF	10%	50V
C877	1-126-101-11	ELECT	100MF	20%	16V

<CONNECTOR>

CND184	*1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
CND185	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)

<DIODE>

D870	8-719-911-19	DIODE 1SS119

<IC>

IC870	8-759-945-58	IC RC4558P

<COIL>

L870	1-459-105-21	COIL(WITH CORE)

<TRANSISTOR>

Q870	8-729-107-26	TRANSISTOR 2SD1585-K
	*4-368-683-01	SPRING; Q870

<RESISTOR>

R870	1-249-417-11	CARBON	1K	5%	1/4W
R871	1-249-438-11	CARBON	56K	5%	1/4W
R872	1-249-410-11	CARBON	270	5%	1/4W
R874	1-249-425-11	CARBON	4.7K	5%	1/4W
R875	1-249-427-11	CARBON	6.8K	5%	1/4W
R876	1-249-436-11	CARBON	39K	5%	1/4W
R877	1-249-428-11	CARBON	8.2K	5%	1/4W
R878	1-249-430-11	CARBON	12K	5%	1/4W
R879	1-247-891-00	CARBON	330K	5%	1/4W

<VARIABLE RESISTOR>

RV870	1-230-233-11	RES, ADJ, CERAMIC CARBON 4.7K
RV871	1-230-236-11	RES, ADJ, CERAMIC CARBON 47K

****

*A-1347-031-A V BOARD, COMPLETE (KV-M2131D ONLY)
****

*4-380-699-01 CASE (UPPER LID), SHIELD, A1

<CAPACITOR>

C02	1-124-120-11	ELECT	220MF	20%	16V
C03	1-124-119-00	ELECT	330MF	20%	16V
C05	1-126-101-11	ELECT	100MF	20%	16V
C06	1-124-120-11	ELECT	220MF	20%	16V
C07	1-124-791-11	ELECT	1MF	20%	50V
C08	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C09	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C10	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C11	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C12	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
C13	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C14	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C15	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C16	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C17	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C18	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C19	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C20	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C21	1-163-833-00	CERAMIC CHIP	0.068MF		25V
C24	1-126-101-11	ELECT	100MF	20%	16V
C25	1-124-477-11	ELECT	47MF	20%	16V
C27	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C28	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C29	1-124-927-11	ELECT	4.7MF	20%	50V
C51	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C52	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C53	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C54	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C55	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C56	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C57	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C58	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C59	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V

<CONNECTOR>

CNV01	*1-565-393-11	CONNECTOR, BOARD TO BOARD
CNV02	*1-565-393-11	CONNECTOR, BOARD TO BOARD
CNV03	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P

<TRIMMER>

CT01	1-141-392-11	CAP, VAR, TRIMMER (1 GANG)

<DIODE>

D01	8-719-105-91	DIODE RD5.6M-B2

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

V

REF.NO.	PART NO.	DESCRIPTION	REMARK
D02	8-719-106-79	DIODE RD13M-B1	
D03	8-719-400-18	DIODE MA152WK	
D04	8-719-105-52	DIODE RD3.6M-B2	
D07	8-719-106-17	DIODE RD6.8M-B2	
D08	8-719-106-17	DIODE RD6.8M-B2	
D09	8-719-400-18	DIODE MA152WK	
D10	8-719-400-18	DIODE MA152WK	
D11	8-719-914-44	DIODE DAP202K	
D12	8-719-914-44	DIODE DAP202K	
		<IC>	
IC1	8-759-986-92	IC MAB-8461P-W177	
IC2	8-759-972-96	IC SAA5231-V6	
IC3	8-759-032-98	IC SDA5243	
IC4	8-759-230-68	IC TMM2063P-70	
		<COIL>	
L01	1-408-411-00	INDUCTOR 15UH	
L04	1-408-407-00	INDUCTOR 6.8UH	
L05	1-408-407-00	INDUCTOR 6.8UH	
L06	1-408-407-00	INDUCTOR 6.8UH	
		<IC LINK>	
PS01⚠	1-532-679-91	LINK, IC (ICP-N15) 0.6A	
PS02⚠	1-532-727-91	LINK, IC 0.25A	
		<TRANSISTOR>	
Q3	8-729-900-53	TRANSISTOR DTC114EK	
Q01	8-729-107-26	TRANSISTOR 2SD1585-K	
Q02	8-729-807-50	TRANSISTOR 2SD1623-R	
Q04	8-729-271-22	TRANSISTOR 2SC2712-G	
Q05	8-729-807-50	TRANSISTOR 2SD1623-R	
Q06	8-729-271-22	TRANSISTOR 2SC2712-G	
Q07	8-729-900-98	TRANSISTOR DTC143TK	
Q09	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q10	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q11	8-729-807-87	TRANSISTOR 2SB1295-UL6	
		<RESISTOR>	
JW1	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW2	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW3	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW4	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW5	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW6	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW7	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW8	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW9	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW10	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW11	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW12	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW13	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW14	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW15	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW16	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW17	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW18	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW19	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW20	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW21	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW22	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW23	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW24	1-216-295-00	METAL GLAZE 0 5% 1/10W	
JW25	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R01	1-218-326-11	METAL GLAZE 470 5% 1/2W	
R02	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R04	1-218-326-11	METAL GLAZE 470 5% 1/2W	
R05	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R06	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R07	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R08	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R09	1-216-091-00	METAL GLAZE 56K 5% 1/10W	
R13	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R14	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R15	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R16	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R17	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R18	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R19	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R20	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R27	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R28	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R29	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R30	1-218-325-11	METAL GLAZE 120 5% 1/4W	
R31	1-218-325-11	METAL GLAZE 120 5% 1/4W	
R32	1-218-325-11	METAL GLAZE 120 5% 1/4W	
R33	1-216-023-00	METAL GLAZE 82 5% 1/10W	
R34	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R37	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R38	1-216-047-00	METAL GLAZE 820 5% 1/10W	
R40	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R41	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R43	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R44	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R45	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R46	1-216-311-00	METAL GLAZE 6.8 5% 1/10W	
R51	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R52	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R53	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R54	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R55	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R56	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R57	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R58	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R59	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R60	1-216-076-00	METAL GLAZE 13K 5% 1/10W	
R61	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R62	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R63	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R64	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R65	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R66	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R67	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R68	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R69	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
		<VARIABLE RESISTOR>	
RV01	1-238-012-11	RES, ADJ, CARBON 1K	
		<CRYSTAL>	
X01	1-567-162-00	OSCILLATOR, CRYSTAL	

V B

REF.NO.	PART NO.	DESCRIPTION				REMARK
X02	1-567-495-11	OSCILLATOR, CRYSTAL				
X03	1-577-082-11	VIBRATOR, CERAMIC				
**********						
	*A-1621-007-A	B BOARD, COMPLETE				
		**********				
		<CAPACITOR>				
C301	1-106-220-00	MYLAR	0.1MF	10%	100V	
C302	1-124-120-11	ELECT	220MF	20%	16V	
C303	1-101-005-00	CERAMIC	0.022MF		50V	
C304	1-106-367-00	MYLAR	0.01MF	10%	400V	
C305	1-101-884-00	CERAMIC	56PF	5%	50V	
C306	1-101-006-00	CERAMIC	0.047MF		50V	
C307	1-101-004-00	CERAMIC	0.01MF		50V	
C308	1-101-888-00	CERAMIC	68PF	5%	50V	
C309	1-102-816-00	CERAMIC	120PF	5%	50V	
C310	1-102-978-00	CERAMIC	220PF	5%	50V	
C311	1-102-953-00	CERAMIC	18PF	5%	50V	
C312	1-102-953-00	CERAMIC	18PF	5%	50V	
C313	1-102-816-00	CERAMIC	120PF	5%	50V	
C314	1-102-978-00	CERAMIC	220PF	5%	50V	
C315	1-102-944-00	CERAMIC	7PF	0.5PF	50V	
C316	1-102-944-00	CERAMIC	7PF	0.5PF	50V	
C317	1-102-816-00	CERAMIC	120PF	5%	50V	
C318	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C319	1-106-375-12	MYLAR	0.022MF	10%	250V	
C320	1-102-935-00	CERAMIC	2PF	0.25PF	50V	
C321	1-130-785-11	MYLAR	0.47MF	10%	100V	
C322	1-106-383-00	MYLAR	0.047MF	10%	100V	
C323	1-124-791-11	ELECT	1MF	20%	50V	
C324	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C325	1-101-004-00	CERAMIC	0.01MF		50V	
C326	1-101-361-00	CERAMIC	150PF	5%	50V	
C327	1-101-004-00	CERAMIC	0.01MF		50V	
C328	1-124-120-11	ELECT	220MF	20%	16V	
C329	1-131-367-00	TANTALUM	22MF	10%	16V	
C330	1-102-973-00	CERAMIC	100PF	5%	50V	
C331	1-124-927-11	ELECT	4.7MF	20%	50V	
C332	1-130-783-00	MYLAR	0.33MF	10%	100V	
C333	1-124-791-11	ELECT	1MF	20%	50V	
C334	1-106-375-12	MYLAR	0.022MF	10%	250V	
C335	1-106-375-12	MYLAR	0.022MF	10%	250V	
C336	1-124-927-11	ELECT	4.7MF	20%	50V	
C337	1-130-834-00	MYLAR	1MF	10%	63V	
C339	1-106-375-12	MYLAR	0.022MF	10%	250V	
C340	1-130-783-00	MYLAR	0.33MF	10%	100V	
C341	1-130-783-00	MYLAR	0.33MF	10%	100V	
C342	1-124-120-11	ELECT	220MF	20%	16V	
C343	1-106-375-12	MYLAR	0.022MF	10%	250V	
C344	1-106-375-12	MYLAR	0.022MF	10%	250V	
C345	1-106-375-12	MYLAR	0.022MF	10%	250V	
C346	1-101-880-00	CERAMIC	47PF	5%	50V	
C347	1-106-375-12	MYLAR	0.022MF	10%	250V	
C348	1-106-375-12	MYLAR	0.022MF	10%	250V	
C349	1-106-375-12	MYLAR	0.022MF	10%	250V	
C350	1-124-917-11	ELECT	33MF	20%	50V	
C351	1-101-888-00	CERAMIC	68PF	5%	50V	
C352	1-124-120-11	ELECT	220MF	20%	16V	
C354	1-106-216-00	MYLAR	0.068MF	10%	100V	
		<CONNECTOR>				
CNB31	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P				
CNB32	*1-565-393-11	CONNECTOR, BOARD TO BOARD				
CNB33	*1-565-393-11	CONNECTOR, BOARD TO BOARD				
		<TRIMMER>				
CT301	1-141-392-11	CAP, VAR, TRIMMER (1 GANG)				
		<DIODE>				
D301	8-719-911-19	DIODE 1SS119				
D303	8-719-911-19	DIODE 1SS119				
D304	8-719-911-19	DIODE 1SS119				
D305	8-719-911-19	DIODE 1SS119				
D306	8-719-911-19	DIODE 1SS119				
D307	8-719-911-19	DIODE 1SS119				
D308	8-719-911-19	DIODE 1SS119				
D310	8-719-911-19	DIODE 1SS119				
D311	8-719-911-19	DIODE 1SS119				
D312	8-719-911-19	DIODE 1SS119				
D313	8-719-911-19	DIODE 1SS119				
D314	8-719-911-19	DIODE 1SS119				
D315	8-719-911-19	DIODE 1SS119				
D316	8-719-911-19	DIODE 1SS119				
D317	8-719-911-19	DIODE 1SS119				
D318	8-719-911-19	DIODE 1SS119				
D319	8-719-911-19	DIODE 1SS119				
		<DELAY LINE>				
DL301	1-415-122-31	DELAY LINE				
		<IC>				
IC301	8-759-947-20	IC TDA4555-V8				
IC302	8-759-947-19	IC TDA3505-V9				
		<COIL>				
L301	1-408-423-00	INDUCTOR	150UH			
L302	1-408-409-00	INDUCTOR	10UH			
L303	1-404-539-11	COIL				
L304	1-404-554-11	COIL				
L305	1-404-554-11	COIL				
L306	1-404-554-11	COIL				
L307	1-408-423-00	INDUCTOR	150UH			
L308	1-404-495-00	COIL				
		<TRANSISTOR>				
Q301	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q302	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q303	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q304	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q305	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q307	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q308	8-729-900-80	TRANSISTOR DTC114ES				
Q309	8-729-173-38	TRANSISTOR 2SA733-K				
		<RESISTOR>				
R301	1-249-418-11	CARBON	1.2K	5%	1/4W	
R302	1-249-401-11	CARBON	47	5%	1/4W	

B D

REF.NO.	PART NO.	DESCRIPTION				REMARK
R303	1-249-412-11	CARBON	390	5%	1/4W	
R304	1-249-408-11	CARBON	180	5%	1/4W	
R305	1-249-416-11	CARBON	820	5%	1/4W	
R306	1-249-419-11	CARBON	1.5K	5%	1/4W	
R307	1-249-431-11	CARBON	15K	5%	1/4W	
R308	1-249-417-11	CARBON	1K	5%	1/4W	
R309	1-249-409-11	CARBON	220	5%	1/4W	
R310	1-247-891-00	CARBON	330K	5%	1/4W	
R311	1-247-891-00	CARBON	330K	5%	1/4W	
R312	1-249-405-11	CARBON	100	5%	1/4W	
R313	1-249-405-11	CARBON	100	5%	1/4W	
R314	1-249-405-11	CARBON	100	5%	1/4W	
R315	1-249-437-11	CARBON	47K	5%	1/4W	
R316	1-249-404-00	CARBON	82	5%	1/4W	
R317	1-249-429-11	CARBON	10K	5%	1/4W	
R318	1-247-848-11	CARBON	5.1K	5%	1/4W	
R319	1-249-419-11	CARBON	1.5K	5%	1/4W	
R320	1-249-437-11	CARBON	47K	5%	1/4W	
R321	1-249-418-11	CARBON	1.2K	5%	1/4W	
R322	1-249-417-11	CARBON	1K	5%	1/4W	
R323	1-249-410-11	CARBON	270	5%	1/4W	
R324	1-249-421-11	CARBON	2.2K	5%	1/4W	
R325	1-249-419-11	CARBON	1.5K	5%	1/4W	
R326	1-249-417-11	CARBON	1K	5%	1/4W	
R327	1-249-415-11	CARBON	680	5%	1/4W	
R328	1-249-437-11	CARBON	47K	5%	1/4W	
R329	1-247-891-00	CARBON	330K	5%	1/4W	
R330	1-249-440-11	CARBON	82K	5%	1/4W	
R331	1-247-895-00	CARBON	470K	5%	1/4W	
R332	1-247-903-00	CARBON	1M	5%	1/4W	
R333	1-214-907-00	METAL	56K	1%	W	
R334	1-249-426-11	CARBON	5.6K	5%	1/4W	
R335	1-249-439-11	CARBON	68K	5%	1/4W	
R336	1-249-425-11	CARBON	4.7K	5%	1/4W	
R337	1-249-413-11	CARBON	470	5%	1/4W	
R338	1-249-413-11	CARBON	470	5%	1/4W	
R341	1-249-431-11	CARBON	15K	5%	1/4W	
R343	1-247-885-00	CARBON	180K	5%	1/4W	
R344	1-249-432-11	CARBON	18K	5%	1/4W	
R345	1-249-433-11	CARBON	22K	5%	1/4W	
R346	1-249-413-11	CARBON	470	5%	1/4W	
R347	1-249-417-11	CARBON	1K	5%	1/4W	
R348	1-249-435-11	CARBON	33K	5%	1/4W	
R349	1-249-436-11	CARBON	39K	5%	1/4W	
R350	1-249-436-11	CARBON	39K	5%	1/4W	
R352	1-249-437-11	CARBON	47K	5%	1/4W	
R353	1-249-413-11	CARBON	470	5%	1/4W	
R355	1-247-887-00	CARBON	220K	5%	1/4W	
R356	1-247-887-00	CARBON	220K	5%	1/4W	
R357	1-249-417-11	CARBON	1K	5%	1/4W	
R359	1-249-417-11	CARBON	1K	5%	1/4W	
R360	1-249-429-11	CARBON	10K	5%	1/4W	
R399	1-247-903-00	CARBON	1M	5%	1/4W	

<VARIABLE RESISTOR>

RV301	1-238-009-11	RES, ADJ, CARBON 220
RV302	1-238-016-11	RES, ADJ, CARBON 10K

<TRANSFORMER>

T301	1-404-584-11	COIL

REF.NO.	PART NO.	DESCRIPTION	REMARK
		<CRYSTAL>	
X301	1-567-131-00	OSCILLATOR, CRYSTAL	
		<MODULE>	
YCM301	1-235-753-21	YC MODULE	

****

*A-1642-023-A	D BOARD, COMPLETE (KV-M2130D ONLY)	
	**********	
*A-1642-024-A	D BOARD, COMPLETE (KV-M2131D ONLY)	
	**********	
*4-341-751-01	EYELET	
*4-341-752-01	EYELET	

<CAPACITOR>

C001	1-126-233-11	ELECT	22MF	20%	50V
C002	1-124-791-11	ELECT	1MF	20%	50V
C003	1-124-791-11	ELECT	1MF	20%	50V
C004	1-102-973-00	CERAMIC	100PF	5%	50V
C005	1-106-220-00	MYLAR	0.1MF	10%	100V
C007	1-124-927-11	ELECT	4.7MF	20%	50V
C009	1-102-111-00	CERAMIC	270PF	10%	50V
C010	1-102-965-00	CERAMIC	39PF	5%	50V
C011	1-102-965-00	CERAMIC	39PF	5%	50V
C012	1-101-004-00	CERAMIC	0.01MF		50V
C013	1-102-959-00	CERAMIC	22PF	5%	50V
C014	1-101-004-00	CERAMIC	0.01MF		50V
C015	1-124-479-11	ELECT	330MF	20%	25V
C016	1-102-978-00	CERAMIC	220PF	5%	50V
C019	1-126-233-11	ELECT	22MF	20%	50V
C020	1-126-233-11	ELECT	22MF	20%	50V
C022	1-101-004-00	CERAMIC	0.01MF		50V
C033	1-101-004-00	CERAMIC	0.01MF		50V
C034	1-126-101-11	ELECT	100MF	20%	16V
C037	1-101-004-00	CERAMIC	0.01MF		50V
C041	1-102-116-00	CERAMIC	680PF	10%	50V
C043	1-102-978-00	CERAMIC	220PF	5%	50V
C071	1-106-220-00	MYLAR	0.1MF	10%	100V
C072	1-106-383-00	MYLAR	0.047MF	10%	100V
C073	1-101-004-00	CERAMIC	0.01MF		50V
C075	1-102-074-00	CERAMIC	0.001MF	10%	50V
C076	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C151	1-124-477-11	ELECT	47MF	20%	16V
C152	1-124-480-11	ELECT	470MF	20%	25V
C154	1-106-216-00	MYLAR	0.068MF	10%	100V
C155	1-106-216-00	MYLAR	0.068MF	10%	100V
C156	1-101-004-00	CERAMIC	0.01MF		50V
C157	1-102-963-00	CERAMIC	33PF	5%	50V
C158	1-124-477-11	ELECT	47MF	20%	16V
C163	1-101-003-00	CERAMIC	0.0047MF		50V
C201	1-124-479-11	ELECT	330MF	20%	25V
C202	1-106-220-00	MYLAR	0.1MF	10%	100V
C203	1-124-791-11	ELECT	1MF	20%	50V
C204	1-106-383-00	MYLAR	0.047MF	10%	100V
C205	1-123-875-11	ELECT	10MF	20%	50V
C206	1-106-379-12	MYLAR	0.033MF	10%	250V
C207	1-106-220-00	MYLAR	0.1MF	10%	100V
C208	1-126-104-11	ELECT	470MF	20%	25V
C209	1-102-074-00	CERAMIC	0.001MF	10%	50V

D

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION			REMARK
C210	1-102-114-00	CERAMIC	470PF	10%	50V
C212	1-102-973-00	CERAMIC	100PF	5%	50V
C213	1-101-005-00	CERAMIC	0.022MF		50V
C402	1-101-003-00	CERAMIC	0.0047MF		50V
C404	1-102-114-00	CERAMIC	470PF	10%	50V
C405	1-124-902-00	ELECT	0.47MF	20%	50V
C406	1-124-477-11	ELECT	47MF	20%	16V
C407	1-124-902-00	ELECT	0.47MF	20%	50V
C409	1-124-477-11	ELECT	47MF	20%	16V
C410	1-124-477-11	ELECT	47MF	20%	16V
C411	1-102-074-00	CERAMIC	0.001MF	10%	50V
C412	1-126-101-11	ELECT	100MF	20%	16V
C413	1-126-233-11	ELECT	22MF	20%	50V
C415	1-126-233-11	ELECT	22MF	20%	50V
C417	1-101-005-00	CERAMIC	0.022MF		50V
C418	1-102-074-00	CERAMIC	0.001MF	10%	50V
C423	1-102-114-00	CERAMIC	470PF	10%	50V
C433	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C501	1-101-004-00	CERAMIC	0.01MF		50V
C502	1-102-117-00	CERAMIC	820PF	10%	50V
C503	1-101-880-00	CERAMIC	47PF	5%	50V
C504	1-124-480-11	ELECT	470MF	20%	25V
C505	1-124-122-11	ELECT	100MF	20%	50V
C506	1-130-902-00	MYLAR	0.68MF	10%	63V
C507	1-124-913-11	ELECT	470MF	20%	50V
C508	1-106-220-00	MYLAR	0.1MF	10%	100V
C510	1-126-233-11	ELECT	22MF	20%	50V
C551	1-124-927-11	ELECT	4.7MF	20%	50V
C552	1-124-927-11	ELECT	4.7MF	20%	50V
C553	1-106-220-00	MYLAR	0.1MF	10%	100V
C554	1-126-233-11	ELECT	22MF	20%	50V
C555	1-124-925-11	ELECT	2.2MF	20%	50V
C556	1-101-361-00	CERAMIC	150PF	5%	50V
C557	1-130-783-00	MYLAR	0.33MF	10%	100V
C558	1-130-783-00	MYLAR	0.33MF	10%	100V
C559	1-106-357-00	MYLAR	0.0039MF	10%	400V
C560	1-126-101-11	ELECT	100MF	20%	16V
C561	1-106-220-00	MYLAR	0.1MF	10%	100V
C562	1-164-143-11	CERAMIC	0.001MF	10%	1KV
C563	1-124-477-11	ELECT	47MF	20%	16V
C564	1-136-298-00	FILM	0.0033MF	2%	100V
C565	1-106-228-00	MYLAR	0.22MF	10%	100V
C566	1-102-951-00	CERAMIC	15PF	5%	50V
C567	1-106-371-00	MYLAR	0.015MF	10%	400V
C568	1-164-143-11	CERAMIC	0.001MF	10%	1KV
C570	1-124-902-00	ELECT	0.47MF	20%	50V
C571	1-126-101-11	ELECT	100MF	20%	16V
C601 ⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C602 ⚠	1-161-964-61	CERAMIC	0.0047MF		250V
C603	1-161-964-61	CERAMIC	0.0047MF		250V
C604	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V
C605	1-161-754-00	CERAMIC	0.001MF	10%	2KV
C606	1-136-637-11	FILM	0.047MF	10%	630V
C607	1-106-383-00	MYLAR	0.047MF	10%	100V
C608	1-162-116-00	CERAMIC	680PF	10%	2KV
C609	1-124-347-00	ELECT	100MF	20%	160V
C610	1-124-557-11	ELECT	1000MF	20%	25V
C614	1-126-101-11	ELECT	100MF	20%	16V
C615 ⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V
C616 ⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V
C618	1-126-233-11	ELECT	22MF	20%	50V
C620 ⚠	1-136-519-11	FILM	0.47MF	20%	300V
C621 ⚠	1-136-519-11	FILM	0.47MF	20%	300V
C622 ⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V
C623 ⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V
C626 ⚠	1-102-316-91	CERAMIC	15PF	5%	500V
C629 ⚠	1-102-316-91	CERAMIC	15PF	5%	500V
C631	1-102-244-00	CERAMIC	220PF	10%	500V
C632	1-161-753-00	CERAMIC	470PF	10%	3KV
C801	1-124-791-11	ELECT	1MF	20%	50V
C803	1-106-359-00	MYLAR	0.0047MF	10%	400V
C804	1-102-244-00	CERAMIC	220PF	10%	500V
C806 ⚠	1-162-131-11	CERAMIC	220PF	10%	2KV
C807	1-136-933-11	FILM	1MF	5%	100V
C808	1-136-187-11	FILM	0.047MF	10%	250V
C812 ⚠	1-136-080-11	FILM	0.011MF	3%	2KV
C815	1-124-634-11	ELECT	1MF	20%	250V
C819	1-102-114-00	CERAMIC	470PF	10%	50V
C821	1-106-220-00	MYLAR	0.1MF	10%	100V
C822	1-136-540-11	FILM	0.82MF	5%	160V
C825	1-102-212-00	CERAMIC	820PF	10%	500V
C851	1-123-948-00	ELECT	22MF	20%	250V
C852	1-162-114-00	CERAMIC	0.0047MF		2KV
C853	1-162-318-11	CERAMIC	0.001MF	10%	500V
C856	1-162-318-11	CERAMIC	0.001MF	10%	500V
C857	1-106-375-12	MYLAR	0.022MF	10%	250V
C858	1-126-233-11	ELECT	22MF	20%	50V
C859	1-126-101-11	ELECT	100MF	20%	16V
C860	1-102-228-00	CERAMIC	470PF	10%	500V

<FILTER>

CF001	1-577-082-11	VIBRATOR, CERAMIC

<CONNECTOR>

CND21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)
CND42	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR
CND43	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR
CND44	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR (KV-M2131D ONLY)
CND45	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR (KV-M2131D ONLY)
CND61	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P
CND62	*1-565-458-11	PIN, CONNECTOR 3P
CND81	*1-568-536-11	PLUG (MINIATURE DY) 6P
CND82	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P
CND83	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P
CND84	*1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
CND85	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)

<DIODE>

D002	8-719-911-19	DIODE 1SS119
D003	8-719-911-19	DIODE 1SS119
D004	8-719-911-19	DIODE 1SS119
D005	8-719-312-99	DIODE SEL1210R-CD (KV-M2130D ONLY)
	8-719-970-79	DIODE PLED-H544CL-6 (KV-M2131D ONLY)
	*4-389-319-01	HOLDER, LED; D005
D007	8-719-911-19	DIODE 1SS119
D008	8-719-911-19	DIODE 1SS119
D009	8-719-911-19	DIODE 1SS119
D010	8-719-911-19	DIODE 1SS119
D011	8-719-911-19	DIODE 1SS119
D016	8-719-911-19	DIODE 1SS119
D017	8-719-911-19	DIODE 1SS119
D019	8-719-911-19	DIODE 1SS119
D025	8-719-109-71	DIODE RD3.9ES-B1

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

D

REF.NO.	PART NO.	DESCRIPTION	REMARK
D151	8-719-911-19	DIODE 1SS119	
D156	8-719-911-19	DIODE 1SS119	
D201	8-719-911-19	DIODE 1SS119	
D202	8-719-911-19	DIODE 1SS119	
D402	8-719-109-96	DIODE RD6.8ES-B1	
D403	8-719-109-96	DIODE RD6.8ES-B1	
D404	8-719-109-96	DIODE RD6.8ES-B1	
D405	8-719-911-19	DIODE 1SS119	
D406	8-719-911-19	DIODE 1SS119	
D407	8-719-911-19	DIODE 1SS119	
D408	8-719-911-19	DIODE 1SS119	
D410	8-719-911-19	DIODE 1SS119	
D411	8-719-911-19	DIODE 1SS119	
D413	8-719-110-30	DIODE RD12ES-B1	
D414	8-719-911-19	DIODE 1SS119	
D415	8-719-911-19	DIODE 1SS119	
D416	8-719-911-19	DIODE 1SS119	
D419	8-719-911-19	DIODE 1SS119	
D420	8-719-911-19	DIODE 1SS119	
D421	8-719-911-19	DIODE 1SS119	
D501	8-719-911-55	DIODE U05G	
D551	8-719-911-55	DIODE U05G	
D601	8-719-946-90	DIODE KBU4JL-6088	
D602	8-719-300-65	DIODE ES1F	
D603	8-719-911-55	DIODE U05G	
D604	8-719-928-08	DIODE ERD28-08S	
D605	8-719-950-57	DIODE BYD33G	
D606	8-719-980-78	DIODE ERA83-006	
D607	8-719-950-57	DIODE BYD33G	
D608	8-719-950-57	DIODE BYD33G	
D609	8-719-911-55	DIODE U05G	
D610	8-719-911-55	DIODE U05G	
D611	8-719-312-40	DIODE R2K	
D801	8-719-945-80	DIODE ERC06-15S	
D802	8-719-928-08	DIODE ERD28-08S	
D851	8-719-950-57	DIODE BYD33G	
D852	8-719-300-65	DIODE ES1F	
D853	8-719-950-57	DIODE BYD33G	
D855	8-719-950-57	DIODE BYD33G	
D857	8-719-911-55	DIODE U05G	
D858	8-719-911-55	DIODE U05G	
		<IC>	
IC001	8-759-630-92	IC M50436-616SP	
IC002	8-752-330-60	IC CXK1012P	
IC003	8-749-920-65	IC KEY-C00SV	
IC004	8-759-157-40	IC UPC574J	
IC005	8-759-982-21	IC RC78L05A	
IC201	8-759-980-45	IC TDA1013A-N4	
IC401	8-759-040-53	IC MC14053BCP	
IC402	8-759-946-32	IC TEA2014A	
IC501	8-759-113-05	IC UPC1488H	
	*4-368-683-01	SPRING; IC501	
IC551	8-759-991-46	IC TDA2579A-N8	
IC601	8-749-901-65	IC STR54041	
	4-365-216-00	SPACER, MICA; IC601	
	*4-368-683-01	SPRING; IC601	
IC851	8-759-604-39	IC M5F78M12L	
	*4-368-683-01	SPRING; IC851	
		<JACK>	
J201	1-507-678-00	JACK	
J401	1-561-534-00	SOCKET 21P	
J402	1-563-500-11	JACK BLOCK, PIN (L TYPE) 2P	
		<COIL>	
L002	1-408-411-00	INDUCTOR 15UH	
L003	1-408-409-00	INDUCTOR 10UH	
L004	1-408-415-00	INDUCTOR 33UH	
L005	1-410-663-31	INDUCTOR 10UH	
L151	1-408-226-00	INDUCTOR 82UH	
L152	1-410-683-31	INDUCTOR 560UH	
L153	1-408-399-00	INDUCTOR 1.5UH	
L201	1-408-409-00	INDUCTOR 10UH	
L202	1-408-409-00	INDUCTOR 10UH	
L401	1-408-417-00	INDUCTOR 47UH	
L403	1-408-409-00	INDUCTOR 10UH	
L410	1-410-316-11	INDUCTOR 1UH	
L501	1-408-226-00	INDUCTOR 82UH	
L803	1-407-365-00	COIL,CHOKE	
L805	1-459-652-12	HLC	
L806	1-459-390-00	COIL (WITH CORE)	
L821	1-459-104-00	COIL, DUST CORE	
L822	1-410-067-21	INDUCTOR 4.7MMH	
L823	1-459-855-11	COIL, FERRITE	
		<IC LINK>	
PS501⚠	1-532-685-91	LINK, IC 0.8A	
PS802⚠	1-532-637-91	LINK, IC 1A	
		<TRANSISTOR>	
Q001	8-729-900-36	TRANSISTOR DTC124ES	
Q003	8-729-900-63	TRANSISTOR DTA124ES	
Q004	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q005	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q008	8-729-900-36	TRANSISTOR DTC124ES	
Q009	8-729-900-74	TRANSISTOR DTC143TS	
Q012	8-729-173-38	TRANSISTOR 2SA733-K	
Q015	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q071	8-729-173-38	TRANSISTOR 2SA733-K	
Q151	8-729-900-61	TRANSISTOR DTA114ES	
Q152	8-729-900-61	TRANSISTOR DTA114ES	
Q154	8-729-900-61	TRANSISTOR DTA114ES	
Q155	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q158	8-729-901-59	TRANSISTOR BF199	
Q402	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q403	8-729-173-38	TRANSISTOR 2SA733-K	
Q404	8-729-173-38	TRANSISTOR 2SA733-K	
Q405	8-729-173-38	TRANSISTOR 2SA733-K	
Q406	8-729-900-80	TRANSISTOR DTC114ES	
Q501	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q551	8-729-173-38	TRANSISTOR 2SA733-K	
Q552	8-729-900-36	TRANSISTOR DTC124ES	
Q601	8-729-906-74	TRANSISTOR BC637-16	
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q802	8-729-926-44	TRANSISTOR BU506DF-S	
	*4-389-343-01	SPRING; Q802	
Q804	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		<RESISTOR>	
R001	1-249-438-11	CARBON 56K 5% 1/4W	

D

REF.NO.	PART NO.	DESCRIPTION				REMARK
R002	1-249-440-11	CARBON	82K	5%	1/4W	
R004	1-249-439-11	CARBON	68K	5%	1/4W	
R005	1-249-413-11	CARBON	470	5%	1/4W	
R006	1-249-441-11	CARBON	100K	5%	1/4W	
R008	1-249-429-11	CARBON	10K	5%	1/4W	
R009	1-249-429-11	CARBON	10K	5%	1/4W	
R010	1-249-433-11	CARBON	22K	5%	1/4W	
R011	1-249-433-11	CARBON	22K	5%	1/4W	
R012	1-249-433-11	CARBON	22K	5%	1/4W	
R013	1-249-433-11	CARBON	22K	5%	1/4W	
R014	1-215-900-11	METAL OXIDE	22K	5%	2W	
R015	1-249-421-11	CARBON	2.2K	5%	1/4W	
R016	1-249-433-11	CARBON	22K	5%	1/4W	
R017	1-249-407-11	CARBON	150	5%	1/4W	
R018	1-249-417-11	CARBON	1K	5%	1/4W	
R019	1-249-413-11	CARBON	470	5%	1/4W	
R020	1-249-413-11	CARBON	470	5%	1/4W	
R021	1-249-413-11	CARBON	470	5%	1/4W	
R022	1-249-411-11	CARBON	330	5%	1/4W	
R023	1-249-416-11	CARBON	820	5%	1/4W	
R025	1-249-417-11	CARBON	1K	5%	1/4W	
R029	1-249-429-11	CARBON	10K	5%	1/4W	
R030	1-249-429-11	CARBON	10K	5%	1/4W	
R035	1-249-431-11	CARBON	15K	5%	1/4W	
R037	1-249-429-11	CARBON	10K	5%	1/4W	
R038	1-249-429-11	CARBON	10K	5%	1/4W	
R039	1-249-417-11	CARBON	1K	5%	1/4W	
R040	1-249-430-11	CARBON	12K	5%	1/4W	
R042	1-249-433-11	CARBON	22K	5%	1/4W	
R043	1-249-429-11	CARBON	10K	5%	1/4W	
R044	1-249-433-11	CARBON	22K	5%	1/4W	
R046	1-249-425-11	CARBON	4.7K	5%	1/4W	
R051	1-249-427-11	CARBON	6.8K	5%	1/4W	
R052	1-249-413-11	CARBON	470	5%	1/4W	
R055	1-249-413-11	CARBON	470	5%	1/4W	
R056	1-249-423-11	CARBON	3.3K	5%	1/4W	
R058	1-249-429-11	CARBON	10K	5%	1/4W	
R059	1-249-426-11	CARBON	5.6K	5%	1/4W	
R060	1-249-417-11	CARBON	1K	5%	1/4W	
R061	1-249-413-11	CARBON	470	5%	1/4W	
R063	1-249-422-11	CARBON	2.7K	5%	1/4W	
R064	1-249-417-11	CARBON	1K	5%	1/4W	
R065	1-249-433-11	CARBON	22K	5%	1/4W	
R066	1-249-425-11	CARBON	4.7K	5%	1/4W	
R070	1-249-429-11	CARBON	10K	5%	1/4W	
R071	1-249-413-11	CARBON	470	5%	1/4W	
R072	1-249-441-11	CARBON	100K	5%	1/4W	
R073	1-249-435-11	CARBON	33K	5%	1/4W	
R074	1-249-429-11	CARBON	10K	5%	1/4W	
R075	1-249-431-11	CARBON	15K	5%	1/4W	
R076	1-249-423-11	CARBON	3.3K	5%	1/4W	
R077	1-249-435-11	CARBON	33K	5%	1/4W	
R078	1-249-427-11	CARBON	6.8K	5%	1/4W	
R079	1-249-429-11	CARBON	10K	5%	1/4W	
R080	1-249-429-11	CARBON	10K	5%	1/4W	
R084	1-249-424-11	CARBON	3.9K	5%	1/4W	
R085	1-247-881-00	CARBON	120K	5%	1/4W	
R086	1-249-429-11	CARBON	10K	5%	1/4W	
R151	1-249-405-11	CARBON	100	5%	1/4W	
R152	1-249-429-11	CARBON	10K	5%	1/4W	
R153	1-249-433-11	CARBON	22K	5%	1/4W	
R154	1-249-429-11	CARBON	10K	5%	1/4W	
R155	1-249-418-11	CARBON	1.2K	5%	1/4W	
R156	1-247-891-00	CARBON	330K	5%	1/4W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R157	1-249-421-11	CARBON	2.2K	5%	1/4W	
R158	1-249-421-11	CARBON	2.2K	5%	1/4W	
R172	1-249-422-11	CARBON	2.7K	5%	1/4W	
R173	1-249-429-11	CARBON	10K	5%	1/4W	
R180	1-249-419-11	CARBON	1.5K	5%	1/4W	
R185	1-249-439-11	CARBON	68K	5%	1/4W	
R186	1-249-441-11	CARBON	100K	5%	1/4W	
R201	1-249-387-11	CARBON	3.3	5%	1/4W	
R202	1-247-887-00	CARBON	220K	5%	1/4W	
R203	1-249-411-11	CARBON	330	5%	1/4W	
R204	1-247-739-11	CARBON	100	5%	1/2W	
R401	1-247-804-11	CARBON	75	5%	1/4W	
R402	1-247-804-11	CARBON	75	5%	1/4W	
R403	1-247-804-11	CARBON	75	5%	1/4W	
R404	1-247-804-11	CARBON	75	5%	1/4W	
R405	1-249-411-11	CARBON	330	5%	1/4W	
R406	1-249-411-11	CARBON	330	5%	1/4W	
R407	1-249-411-11	CARBON	330	5%	1/4W	
R408	1-249-431-11	CARBON	15K	5%	1/4W	
R409	1-249-431-11	CARBON	15K	5%	1/4W	
R410	1-249-409-11	CARBON	220	5%	1/4W	
R411	1-249-409-11	CARBON	220	5%	1/4W	
R412	1-249-409-11	CARBON	220	5%	1/4W	
R413	1-249-425-11	CARBON	4.7K	5%	1/4W	
R414	1-249-433-11	CARBON	22K	5%	1/4W	
R415	1-215-858-00	METAL OXIDE	15	5%	1W	(KV-M2131D ONLY)
R416	1-247-804-11	CARBON	75	5%	1/4W	
R418	1-249-417-11	CARBON	1K	5%	1/4W	
R419	1-249-425-11	CARBON	4.7K	5%	1/4W	
R420	1-249-413-11	CARBON	470	5%	1/4W	
R421	1-249-409-11	CARBON	220	5%	1/4W	
R422	1-249-404-00	CARBON	82	5%	1/4W	
R423	1-249-438-11	CARBON	56K	5%	1/4W	
R424	1-249-437-11	CARBON	47K	5%	1/4W	(KV-M2130D ONLY)
R425	1-249-437-11	CARBON	47K	5%	1/4W	(KV-M2130D ONLY)
R426	1-249-405-11	CARBON	100	5%	1/4W	
R427	1-247-804-11	CARBON	75	5%	1/4W	
R428	1-249-432-11	CARBON	18K	5%	1/4W	
R429	1-249-409-11	CARBON	220	5%	1/4W	
R430	1-249-437-11	CARBON	47K	5%	1/4W	(KV-M2130D ONLY)
R431	1-249-441-11	CARBON	100K	5%	1/4W	
R432	1-249-437-11	CARBON	47K	5%	1/4W	(KV-M2130D ONLY)
R434	1-249-415-11	CARBON	680	5%	1/4W	
R435	1-249-440-11	CARBON	82K	5%	1/4W	
R436	1-249-409-11	CARBON	220	5%	1/4W	
R437	1-249-429-11	CARBON	10K	5%	1/4W	
R441	1-216-375-00	METAL OXIDE	3.3	5%	2W F	(KV-M2131D ONLY)
R444	1-249-411-11	CARBON	330	5%	1/4W	
R445	1-216-452-11	METAL OXIDE	180	5%	2W F	(KV-M2130D ONLY)
R501	1-249-425-11	CARBON	4.7K	5%	1/4W	
R502	1-247-744-11	CARBON	270	5%	1/2W	
R503	1-215-867-00	METAL OXIDE	470	5%	1W	

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION				REMARK
R504	1-247-895-00	CARBON	470K	5%	1/4W	
R505	1-249-429-11	CARBON	10K	5%	1/4W	
R506	1-249-424-11	CARBON	3.9K	5%	1/4W	
R507	1-249-435-11	CARBON	33K	5%	1/4W	
R508	1-216-347-11	METAL OXIDE	0.68	5%	1W	F
R509	1-247-903-00	CARBON	1M	5%	1/4W	
R510	1-249-439-11	CARBON	68K	5%	1/4W	
R511	1-247-893-11	CARBON	390K	5%	1/4W	
R512	1-216-456-00	METAL OXIDE	820	5%	2W	F
R513	1-249-424-11	CARBON	3.9K	5%	1/4W	
R551	1-216-427-00	METAL OXIDE	120	5%	1W	F
R552	1-249-419-11	CARBON	1.5K	5%	1/4W	
R553	1-249-426-11	CARBON	5.6K	5%	1/4W	
R554	1-249-404-00	CARBON	82	5%	1/4W	
R555	1-249-423-11	CARBON	3.3K	5%	1/4W	
R556	1-249-418-11	CARBON	1.2K	5%	1/4W	
R558	1-249-417-11	CARBON	1K	5%	1/4W	
R559	1-249-433-11	METAL	22K	5%	1/4W	
R560	1-247-886-11	METAL	200K	5%	1/4W	
R561	1-249-412-11	CARBON	390	5%	1/4W	
R562	1-249-428-11	METAL	8.2K	5%	1/4W	
R563	1-249-409-11	CARBON	220	5%	1/4W	
R564	1-249-410-11	CARBON	270	5%	1/4W	
R565	1-215-454-00	METAL	24K	1%	1/6W	
R569	1-249-431-11	CARBON	15K	5%	1/4W	
R571	1-249-436-11	CARBON	39K	5%	1/4W	
R572	1-249-405-11	CARBON	100	5%	1/4W	
R573	1-249-433-11	CARBON	22K	5%	1/4W	
R574	1-249-439-11	CARBON	68K	5%	1/4W	
R575	1-249-421-11	CARBON	2.2K	5%	1/4W	
R576	1-249-432-11	CARBON	18K	5%	1/4W	
R577	1-249-405-11	CARBON	100	5%	1/4W	
R601⚠	1-205-909-11	WIREWOUND	3.3	5%	10W	F
R602	1-214-931-00	CARBON	560K	5%	1/2W	
R603	1-215-903-11	METAL OXIDE	68K	5%	2W	
R604	1-247-750-11	CARBON	680	5%	1/2W	
R605⚠	1-218-265-91	METAL GLAZE	8.2M	5%	1W	
R606	1-212-877-11	FUSIBLE	68	5%	1/4W	
R608	1-215-884-11	METAL OXIDE	47	5%	2W	
R609	1-207-905-00	WIREWOUND	0.27	10%	2W	
R612	1-217-809-11	FUSIBLE	0.33	5%	1/4W	
R613	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R615	1-249-399-11	CARBON	33	5%	1/4W	
R617	1-216-376-00	METAL OXIDE	3.9	5%	2W	F
R619	1-249-430-11	CARBON	12K	5%	1/4W	
R650	1-247-725-11	CARBON	10K	5%	1/4W	
R651	1-247-725-11	CARBON	10K	5%	1/4W	
R652	1-247-725-11	CARBON	10K	5%	1/4W	
R653	1-247-725-11	CARBON	10K	5%	1/4W	
R801	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R802	1-217-778-11	FUSIBLE	1K	5%	1W	F
R804	1-217-820-11	FUSIBLE	3.3K	5%	1/4W	
R805	1-249-399-11	CARBON	33	5%	1/4W	
R806	1-249-421-11	CARBON	2.2K	5%	1/4W	
R807	1-212-877-11	FUSIBLE	68	5%	1/4W	
R808	1-216-346-00	METAL OXIDE	0.56	5%	1W	F
R809	1-249-421-11	CARBON	2.2K	5%	1/4W	
R810	1-202-725-00	SOLID	3.3M	10%	1/2W	
R823	1-215-868-00	METAL OXIDE	680	5%	1W	F
R833	1-212-956-00	FUSIBLE	8.2	5%	1/2W	F
R852	1-216-431-11	METAL OXIDE	560	5%	1W	
R854	1-217-811-11	FUSIBLE	0.47	5%	1/4W	
R855	1-202-830-00	SOLID	10K	10%	1/2W	
R856	1-217-825-11	FUSIBLE	8.2K	5%	1/4W	
R857	1-247-883-00	CARBON	150K	5%	1/4W	
R870	1-216-393-00	METAL OXIDE	2.2	5%	3W	F

<VARIABLE RESISTOR>

RV401	1-238-163-11	RES, VAR, CARBON 10K
RV501	1-238-016-11	RES, ADJ, CARBON 10K
RV552	1-238-020-11	RES, ADJ, CARBON 100K
RV553	1-238-016-11	RES, ADJ, CARBON 10K
RV801	1-223-102-00	RES, ADJ, WIREWOUND 120

<SWITCH>

S001	1-571-532-21	SWITCH, TACTIL
S002	1-571-532-21	SWITCH, TACTIL
S003	1-571-532-21	SWITCH, TACTIL
S004	1-571-532-21	SWITCH, TACTIL
S005	1-571-532-21	SWITCH, TACTIL
S006	1-571-532-21	SWITCH, TACTIL
S007	1-571-532-21	SWITCH, TACTIL
S008	1-571-532-21	SWITCH, TACTIL
S009	1-571-532-21	SWITCH, TACTIL

<SPARK GAP>

SG801	1-519-422-11	GAP, SPARK

<TRANSFORMER>

T601⚠	1-449-275-12	S.R.T
T603⚠	1-424-077-11	TRANSFORMER, LINE FILTER
T604⚠	1-424-078-11	TRANSFORMER, TRIGGER PULSE
T605⚠	1-421-862-11	LFT
T801	1-437-090-00	HDT
T851⚠	1-439-416-11	TRANSFORMER ASSY, FLYBACK (UX-1600)

<THERMISTOR>

TH601⚠	1-808-059-31	THERMISTOR, POSITIVE

<TUNER>

TU101⚠	1-463-881-11	TUNER, BT (UV-617)

<IF BLOCK>

VIF101	1-464-960-21	IF BLOCK (IFG-389)

****

MISCELLANEOUS
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L901 ⚠	1-426-383-11	COIL, DEMAGNETIZATION
⚠	1-451-295-11	DEFLECTION YOKE (Y21PFA2)
	1-452-032-00	MAGNET, DISK; 10MM ϕ
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ
	1-452-277-00	MAGNET, BMC
SP901	1-503-258-21	SPEAKER
⚠	1-559-346-12	CORD, POWER (WITH CONNECTOR)
V901⚠	8-738-753-05	PICTURE TUBE (A51JXH60X)

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ACCESSORIES AND PACKING MATERIALS
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PART NO.	DESCRIPTION	REMARK
4-200-324-31	MANUAL, INSTRUCTION	
*4-380-340-01	BAG, PROTECTION	
*4-385-902-01	INDIVIDUAL CARTON	
*4-387-961-01	CUSHION (UPPER) (ASSY)	
*4-387-962-01	CUSHION (LOWER) (ASSY)	

REMOTE COMMANDER

1-465-487-11	REMOTE COMMANDER (RM-657)	
4-384-285-01	COVER, BATTERY (FOR RM-657)	

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